

AMERICAN FRUITS

For the Nursery Trade and Allied Interests

Vol. XI

FEBRUARY

No. 2

**NO SHRUB CAN COMPARE WITH THIS
IN ITS BLOOMING SEASON IN MAY AND JUNE**



The Hardy Rhododendron

THROUGH its blooming season in May and June, no shrub in Nature's garden, the world over, can compare with the Rosebay or Rhododendron. The magnificent native sort, *R. maximum*, frequently reserves a few great blossoms for our national holiday. In winter the large leathery leaves of the Rhododendrons form rich banks of green, quite different in character

and color-tone from the tints of the conifers. Their summer blossoming, in richness and splendid individuality, can be compared only to that of the magnolias. Rhododendrons are most effective and most easily cared for when planted in large beds or groups, so that their flowers may be displayed in rich masses. In addition to the seedlings of *Catawbiense*, we offer the hardiest and best of the grafted varieties. Price lists and estimates furnished on application.

PAINESVILLE
NURSERIES

The Storrs & Harrison Co.

PAINESVILLE
OHIO

"SPECIALISTS IN WHATEVER WE PROPAGATE"

A Complete Variety List

Ornamentals, Fruits, Roses, Evergreens,
Clematis, Herbaceous Plants
for

Nurserymen, Dealers, Orchardists, Gardeners
and Landscape Architects

Lowest Prices Consistent With Quality

Our office and nurseries are situated on
the Rochester and Eastern R. R. only
one and one-half hours from Rochester

W. & T. Smith Company

GENEVA, N. Y.

700 Acres

63 Years

Deutzia Lemoinei

Is one of the choicest small shrubs,
covered in the blossoming sea-
son with a profusion of pure
white flowers. We have a
LARGE STOCK. Write for
prices.

ELLWANGER & BARRY
Mount Hope Nurseries

ROCHESTER, N. Y.

SPRING 1910

We will have our usual assortment of

Fruits, both large and small

Shades,

Shrubs,

Perennials

and Forest Tree Seedlings

C. M. Hobbs & Sons

BRIDGEPORT, IND.

Apple Seedlings

ALL GRADES.

Shipment from

Topeka, Kansas, or
Newark, New York

Write for Prices

Jackson & Perkins Company

Newark, New York

Do You Need Cherry Currants Gooseberry Ornamental Shrubs Ornamental Trees?

We have a fine line in the above stock.

Our Cherry Surplus is large and exceptionally good.

Prices are right

OUR SPRING LIST IS OUT
Arthur Bryant & Son
PRINCETON, ILL.

Waxahachie Nursery Company Waxahachie, Texas

28,000 Peach, 1 to 2 foot. 31,200 Peach, 2 to 3 foot.
The above in twenty-four varieties. Nice clean stock.
7,000 Plum, 1 to 2 foot. 5,000 Plum, 2 to 3 foot.
4,000 Pear, 1-4 to 1 inch. 5,000 Pear, 5-8 to 1-4 inch. 4,000 Pear, 9-16 to 5-8 inch. Bartlett, Clapp's, Duchess, Flemish Beauty, B. de Anjou. 1,000 Kleffer, 4 to 6 foot. 2,000 Kleffer, 2 to 3 foot.
5,000 Cherry, 1 to 2 foot. 5,000 Cherry, 2 to 3 foot. 7,000 Cherry 3 to 4 foot.
3,000 Cherry, 4 to 6 foot. One Year. Fine Roots. Clean.
5,000 Surplus Roses. Strong Dormant Buds. One Year. 2,000 American Beauty

Let us quote you on the above. Correspondence solicited.

Waxahachie Nursery Company
Waxahachie, Texas.

MY BUSINESS for several seasons has been growing very rapidly, and the season just past has far exceeded any former year. I have therefore been compelled to increase my acreage to meet the growing demand for my plants, and I expect to build an additional large up-to-date packing house so that my daily out-put of plants will be greatly increased during the shipping season. This will enable me to handle promptly all orders that I receive. If you buy strawberry plants, get in communication with me before contracting for your next season's supply.

W. W. THOMAS

Anna, Ill.

"The Strawberry Plant Man."

Now is the time to figure **Spring 1910**
on your wants for

We are ready to quote lowest prices on **Ornamental Trees, Shrubs, and Tree Seedlings** for **SPRING DELIVERY, 1910.** If in need of genuine **Catalpa Speciosa** or **Black Locust Seedlings**, write for prices. We have them in any quantity.

The Willadean Nurseries
Warsaw, Kentucky

FRUIT TREE STOCKS

Our wholesale trade list, quoting prices for all sizes and sorts of fruit tree stocks, as well as **Ornamental Stocks**, is now distributed. In case you have not received it, ask for the same. It is mailed free on application.

WE HAVE NO AGENTS

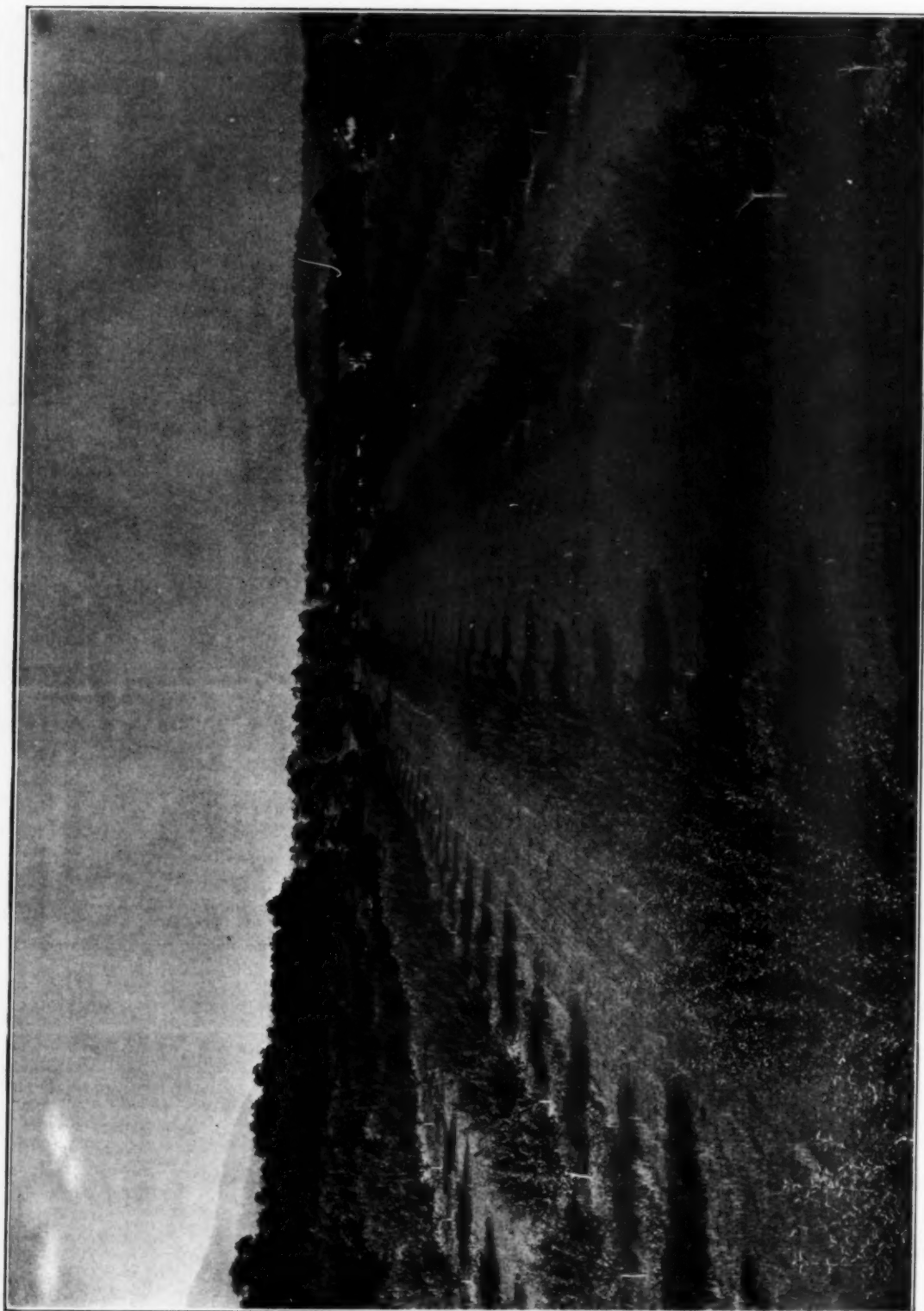
TRANSON BROTHERS & D. DAUVESSE'S NURSERIES

BARBIER & COMPANY, Successors

16 Route d' Olivet

WRITE DIRECT TO US

Orleans, France



WEST VIRGINIA APPLE INDUSTRY
A Seven-year-old Orchard of Grimes Golden Apple Trees

American Fruits

Chief International Journal of the Nursery Trade

Entered August 4, 1904, at Rochester, N. Y., Post Office as second-class mail matter

Vol. XI

ROCHESTER, N. Y., FEBRUARY, 1910

No. 2

Direct Damage To the Export Trade

What an American Saw in Berlin--Witnessed the Opening of Baldwin Packages Faced With Fine Apples and Containing in the Center "Almost Anything"--No Wonder the Foreign Dealer Turns to Tyrol Apples from Austria and Declares American Fruit Growers Dishonest.

By Charles C. Bell, Boonville, Mo.

BERLIN, Germany, Dec. 24, 1909.—For the past four months while touring in England, France, Switzerland, Italy and Germany, I have given much time to investigate prices, quality and demands for fruit, especially for American Apples, and find that the consumer likes them on account of flavor and good looks. But in conversation with the retail dealers I am always reminded that many of our American Apples are dishonestly packed and for that reason the retail dealer does not like to handle them, as he can never discover the deceptive packing until after he has the apples in his store, as all American apples seem to be ordered from Hamburg by the retail dealers as they may want them.

"While traveling in Europe I have made it my business to go to fruit stands and call for American apples. One of the leading retail fruit dealers informed me last week that he had several barrels of the Best New York Baldwins coming from Hamburg and I called to see them yesterday, but to my great surprise and disappointment I found the man very much disgusted and justly indignant with the deceptive American apple packing.

"I myself examined the barrels, and found the old game of about half bushel of very fine well colored baldwins on the face end of the barrel but below that most anything.

"This dealer showed me cost and freight bills to Berlin total of 27 marks for barrel (about \$6.50 per barrel) and that it was impossible for him to get his money back. He further declared that he must do all he can to induce his customers not to ask for American apples but to take Tyrol (Austrian) apples instead, which were honestly packed. I examined several barrels and packages of Tyrol apples and found them well handled and carefully packed. Although the quality may not be as good as American apples yet on account of honest packing and careful handling the retail dealer much prefers them—because he can handle them with more satisfaction and profit.

"As an American who is also extensively interested in growing and shipping apples, which has been a life work with me, I must again protest against this dishonest packing. Whoever packed those Baldwins has done the American apple export business much harm. Permit me here again to say what I have often said in the past. That every barrel of dishonestly packed apples will stop the sale of many barrels, while a well and honestly packed barrel is a traveling salesman continually sending in orders for more apples.

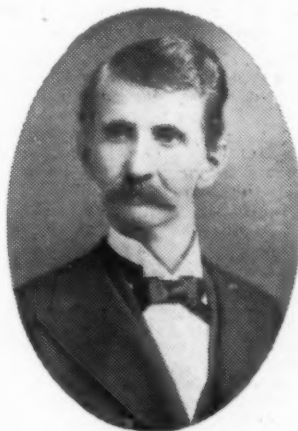
They Want Trees

O. L. Macklein and W. W. Shafer of Winnipeg have bought 2000 acres of fruit lands at Johnson's creek on Arrow lakes, British Columbia, from McMicken brothers for \$40,000. Macklein is letting a contract for a \$4000 residence.

President W. F. Helkes, Huntsville, Ala., of the Alabama State Horticultural society, presided at the seventh annual meeting at Bessemer, on January 29th.

Takes \$6,000 From Six Acres

Andrew Wood, Wenatchee, Wash., has 12 acres for which he paid \$12,000 three years ago, and since purchasing it has planted six acres in young trees, besides reaping a crop worth \$2500.00 the first year he owned the place, \$3000 the second and \$6000 the third from the old trees. This year one Blue Pearmain tree yielded 33 boxes of apples for which he received \$5. Mr. Wood values the place at \$3500 an acre.



Charles C. Bell

Michigan Nursery Interested

It has developed that West Michigan's exhibit at the land exposition in Chicago aroused the jealousy of the Western Irrigation men and that they are busy mapping out a campaign to have the Western Michigan Development bureau excluded from next year's exposition. This jealousy was apparent even before the close of the exposition.

In the event that Michigan is turned down, one of the largest nurseries in the state will secure quarters in Chicago Loop district and give a big free exhibition during exposition week. To reject Michigan from the exposition would give this state advertising of more than national scope.

Apples 25 Cents Apiece

At Columbia last month a single three bushel barrel of Missouri grown apples brought its owner \$77.50. This is \$19.37½ per bushel or little more than twenty-five cents apiece. The above unusual prices were secured by Dan Lowmiller, Parkville, Platt county, who exhibited a barrel of apples of his own growing, at the big fruit show conducted by the Missouri state board of horticulture in connection with the fifty-second annual meeting of the Missouri state horticultural society.

Apples Like Golf Balls

New England fruit growers are jealous of the famous Oregon apple, and have begun a campaign to win the city markets back to the New England apple, and the accompanying financial rewards to the purse of the home horticulturist. Governor Draper is one of the originators of the movement. At a recent meeting of horticulturists in Boston, the Governor said that experiments on his own farm had proven that apples almost as good in size and beauty as the Hood River apple of Oregon can be grown on New England farm land, which is now almost begging for buyers. Then he made a plea for development of New England farm lands. Instead of New England money being invested at home, it is now going to the Pacific Coast. This is the motive back of this demand for New England apples.

Oregon apples are worth more than oranges. While Governor Draper told what ought to be done to raise the quality of New England fruit, Hood River and Wenatchee apples sold on the nearest fruit stand at 10 cents apiece or \$1 a dozen. The Oregon apple was larger than any orange, just as big as the luscious grape fruit, and worth the same price, too. The New England apples were about the size of golf balls, and tasted about as wood to an Oregon palate. They sold three for a nickel or 15 and 20 cents a dozen.

New England apples are raised differently from Oregon product. The orchards are not cultivated, though the owners do spray them. The prevention is not enough, with most of the fruit, to avoid the blemish of disease on the skins.

Tells What Trees To Buy

As an important part of his fight to preserve the fruit growing industry in Indiana, B. W. Douglass, state entomologist, is urging that the farmers and fruit growers not only replenish their rapidly dwindling orchards with properly selected young stock, but that they use the greatest skill at their command in the planting. One chapter of the forth-coming annual report of the department is devoted to tree planting, and this Mr. Douglass hopes to get before the Indiana land owners before the annual spring planting begins.

In the first place, according to Mr. Douglass, the trees selected should be clean, thrifty specimens, not overgrown and not runts. Peach trees, he asserts, should be one year old from the bud when they are planted in the orchard, while apple and pear trees should be two years old from the bud, and preferably not more. Cherry trees may be either one or two years old, according to the rate of growth which the trees made in the nursery.

George H. Johnson, proprietor, announces that owing to fire in the Rialto building the offices of the Kansas City Nurseries are in the Reliance building at Kansas City, Mo.

Is It Policy to Replace on Retail Orders Trees Which Have Died in One, Two, or More Years After Planting

By J. R. Mayhew, Waxahachie, Texas

IN considering this question, the matter presents itself to me like this—is it a wise course for the nurserymen to pursue, and do the results justify the practice? Is the game worth the ammunition, is the influence on the business as a whole good, is it calculated to inspire confidence and good fellowship between the buyer and the seller? Is it right in principle? That after all is the question, for, if the principle of this thing is wrong, and I take it to be, we should take steps to abolish the practice.

Most of us, when caught pursuing a policy that is questionable, can make a fairly creditable, (at least to ourselves), explanation, and will attempt defense along the line of extenuating circumstances, if no other; but in the question before us I hardly think a sane man would attempt defense of the policy that is resulting in serious loss to the nursery interests wherever the practice prevails. I do not know who is responsible for the innovation, if such it be, but this I do know—that we all, without exception, "have gone astray."

Being a young man with limited experience, as far as it pertains to time, perhaps after all the practice of replacing nursery stock at half price, etc., is fundamental to the retail nursery industry. I strive to be orthodox in all things and if, in the position I am taking, I do violence to the traditions of the past, it is because of my youth and inexperience rather than a desire to criticize the policy that is dear to the memory of our elders.

Policy Causing Much Trouble

I want to go on record as saying, seriously, that this policy is responsible for more of our troubles than perhaps all else. Think of the cost in a direct way, especially such a year as we have just experienced, a year without parallel in the section I represent, where the rainfall has been 75 per cent below the 10-year average. No Spring rains means tremendous loss in tree planting regardless of the care in transplanting.

Insure the purchaser against this loss? Insure him against his negligence, to say nothing of his ignorance? What is our compensation? If we intend to continue in the insurance business, let us figure some plan to collect our premiums in advance as do other insurance companies. But we shall not continue to do business void of sane business principles. Already the demand is being made for better methods and higher business ideals and to the individual or corporation that turns a deaf ear, the door of hope is closed.

I again ask what is our compensation for the guarantee we give customer, and as a partial answer to this question let us consider some of the results of replace at less than full value. Confidence is the key to success everywhere. Salesmanship depends, to a marked degree, on faith in the commodity offered for sale. Stimulate that faith and the result is increased business along the highest possible business lines. Each of us, no matter what position we occupy, find it necessary to draw on our faculties of salesmanship and these faculties are largely faith in our business, faith in our fellowman. If the policy tends to make us question the value of the services we are rendering, then we are either in a questionable business or our policy is at fault.

Question of Worth of Stock

I would have you note the influence of this policy on ourselves. The management is not immune from corrupting influences, and when the mind of the captain is skeptical how can we hope for faith in his subordinates. If we are honest with ourselves will we not say that this policy makes us question the worth of the product we are offering for sale. These corrupting influences permeate the working forces of every re-

tall nursery business in the country, from the office boy to the manager, and are to a degree responsible for the divergence of prices characteristic of no other line of business. We all know how almost impossible it is to maintain prices through salesmen. My friends, Mr. Salesman is figuring this question from the same point of view that would any other well balanced man, and the question that will not down with him is "If nursery stock is worth what I am told to ask for it, how can it be replaced at other than full value?" If we want our salesman to be the highest type of man let us assist him by removing all question marks. This policy is making shysters of our salesmen. We could overcome, to a probable degree, the effect on our own minds and correct, to some extent, the resultant irregularities in our working force, but there is another interested party upon whom both the wholesaler and retailer must depend. For a number of years we have furnished fuel to keep burning his fire of prejudice and have left nothing undone that we could possibly do to prove to his mind that nursery stock had no real value and, as evidence in addition to the greatest diversity of prices on the same commodity, have given him, oftentimes, two plantings of trees on the same purchase.

Conclusions That Are Drawn

What are his conclusions? You already recognize your customer, the man who quite often settles with your collector with B. P. due one year after date, without interest, said note being payable at some post-office twenty miles from a railroad in the state of Arkansas or Oklahoma. In the course of human events this note comes due. We write him a nice letter, enclosing stamped envelope for reply, which, in the majority of instances is about as follows:

"Them trees I got from you fellers want no count. They air all dead and I don't intend to pay for 'em. You certainly don't expect a feller to pay for dead trees. It has been so dry here all the year them trees couldn't live. Yours truly."

Do you recognize him now? If you do not I will make you own him as your own, for human nature is the same the world over and my troubles are not different or more numerous than yours. The result of your bills receivable depend on your making good all losses by prepaid express or freight. The purchaser is not all to blame, for we have made him believe that the thing he purchased could be produced so cheap, and the margin of profits was so great we could replace all trees that failed to live. The great need of the nursery business today is to rid ourselves of the policies that have retarded our progress in the past, and go forward. The other fellow is not going to believe more firmly in us than we do in ourselves, and just so long as we continue the practice of replace at other than full value we may expect those with whom we come in contact to question the worth of our product.

Let Us Go Forward

In this paper, prepared hurriedly, I mention only a few of the results of this practice. There is no feature of our business but that is being corrupted by it. What are we going to do with the question? The prac-

tice is so almost universal that concerted action seems to me necessary. I believe that 90 per cent. of the nurserymen of Texas are heartily in favor of eliminating this objectionable feature from our contracts, and I hope to see this accomplished within the very near future. I believe that a resolution declaring positively that this thing is an enemy to our interests should be adopted by every organization of nurserymen in the United States.

Again I say, let us go forward!

Nursery Stock Is Making Good

Horticulturists in the United States, more particularly the middle states, will have to look to their laurels, else Canada will capture a large slice of the peach and apple market of the world. Fifty years ago scarcely a peach was grown in the province of Ontario, and supplies were imported from western New York. The first peach orchard of any size in the province was started in the township of Queenston, and there are now in that township over 200,000 trees, from which 400,000 baskets of peaches were gathered last fall. Five years ago two carloads of this fruit was shipped to western Canada as an experiment, and this year five hundred carloads were sent to the same market, representing a value of \$5,000,000. So encouraged are the peach growers in the province that they are looking to England for an extension of the market, and the government will endeavor to aid them in solving the problem of transportation. In addition to the peach trees, there are today in this province seven million apple trees of bearing age, and an army of ten thousand men is necessary every fall to gather the fruit. Besides this there is over \$3,000,000 invested in strawberries, raspberries and currants, and while probably not one-third of the yield is handled by the canning and jam factories yet the output of these factories represents \$7,500,000 annually. Over sixty thousand people are interested in growing fruit, and half that number are employed in the canning factories and in handling the fruit from producer to consumer. All this trade has developed in the last thirty-five years.

Mexican Nurseries

Mexican nurseries are now making an effort to invade Texas. From the department of agriculture it is learned that there are quite a number of Mexican nurseries, or "gardens" as they are termed in Mexico, that want to do business in Texas. Mexico has no nursery inspection law, consequently it has become necessary for the Texas department to send over a representative to make an investigation of the nursery that wants to come into Texas, before a permit is issued. The department has received a number of inquiries from Mexican nurserymen that want to sell their product in Texas. In order that they may come in the department has appointed Harvey C. Stiles of Raymondville to proceed to Mexico and make the necessary inspection.

Russian Government Asks For Rochester Nursery Catalogue

Ellwanger & Barry, Rochester, N. Y., last month received the following request from the Russian Government:

"The Russian Minister of Agriculture

wishes to get three copies of your catalogue."

Ellwanger & Barry ship nursery stock to many points in foreign countries.

To The Trade

FROM date until shortly revised, we offer to the trade exceptionally handsome blocks. Carloads can be shipped from Louisiana, Mo., or from our several branch plants at Portland, N. Y., Dansville, N. Y., Perry, O., Fayetteville, Ark., Etc.

Apple

Two year and one year: Banana, Newtown, Spitzenberg, Stayman Winesap, Jonathan, Grimes Golden, York Imperial, McIntosh, Alexander, Rome Beauty, Transcendent, etc.

Cherry

Two year and one year: The Montmorencies and other varieties as Bing, Lambert, Royal Ann, Tartarian, etc. The quality is unexcelled. Right prices on carload lots.

Pear

Standard and Dwarf, including: Bartlett, Anjou, Lincoln, Comice, Easter Beurre, Howell, Seckel, Clapp, Flemish.

Peach

Elberta, Muir, Lovell, Phillips, Crawford, Levy, etc.

Apricot

Can furnish by the carload: Blenheim, Royal, Tilton, Superb, Harris, Early May, Montgamet.

Quince

Bourgeat, Orange, Missouri Mammoth, Meech.

Currant

London Market, Pomona, White Crape, Red Cross, Wilder, Victoria, Prince Albert.

Gooseberry

Houghton, Pearl, Smith, Downing, Mountain, Josselyn.

Grape

Moore Early, Campbell, Worden, Concord, Niagara, White Muscat, Black Cornichon, Thompson Seedless, Flame Tokay. Our grape Nurseries are in the heart of the Chautauqua Grape Belt. We can furnish the quality in grape.

Plum, Blackberry, Dewberry, Raspberry, Japan Pear Seedlings, etc.

Norway Maple. Handsome trees.

Ornamentals

A complete line, including a superb assortment of Budded Lilac, Roses, etc.

Stark Bros' Nurseries & Orchards Co.

General Offices, Louisiana, Missouri.

Outwitting Jack Frost In Colorado

**Automobiles, the Telephone and Burning Oil Pots Are Factors Used Successfully--
300,000 Heaters Used Last Season in the Grand Junction District**

By E. F. Stephens, Crete, Neb.

THE Nebraskan is very much interested in methods in use in Colorado for orchard heating. It is also interesting to note the hearty unanimity which prevails through the entire community at critical periods. The banker, the professional man, the businessman, the residents of the towns place themselves at the service of the orchardists for the time being. The owners of automobile telephoned to the orchardists their readiness to place their machines at their service to bring out help from town. The Weather Service warns of approaching changes in the weather and gives prompt and ringing notice of impending danger. In the Grand Junction District, some 300,000 heaters were used during the past season and for a distance of many miles, a considerable proportion of the orchards were thus protected.

At Fruita, Colo., J. C. Wilson reported he used 40 heaters per acre, others used as high as 60, 70 or 80 heaters per acre. Mr. Wilson at 10.30 in the evening of the dangerous night, lighted every other pot; by midnight he had raised the temperature five degrees, and then started all of the pots. Three dangerous nights were reported. For the protection of 11 acres of orchard, Mr. Wilson used \$23 worth of coal. It should be borne in mind, however, that with him, coal is only \$1.75 per ton. In considering the cost of what style of heater to use, much depends on the nearness to the coal bank. Where coal can be purchased at \$1.50 to \$2.50 per ton, many firms seem to favor the use of coal, when the coal banks are more distant, coal more expensive, many favor the use of oil

heaters, feeling that it is easier to fill the oil pots and to replenish the fuel than to maintain the requisite degree of heat by the use of coal baskets or pots.

Dense Pall of Smoke Effective.

On the other hand, the use of oil requires storage tanks and wagons suited to the hauling of oil, special facilities to be prepared for the use of oil heaters. In the use of the heater, it is regarded as quite important that ample preparation should be made before hand, so that whenever the critical night comes, everything is in complete readiness for instant and effective work. Dependence is placed, not alone on the actual heat produced by the combustion of the oil or coal, but partly on the pall of smoke which, when all the heaters are at work, is so dense throughout the orchards as to in many cases obscure the light of the fires. A very dense pall of smoke hanging over the orchard, lessens the radiation or loss of heat. Lessens the loss of earth heat, lessens the loss of heat produced by combustion of oil or coal and this pall of smoke hanging over the orchard until two hours or more after the sun rises, prevents the warm rays of the morning sun shining on the fruit or bloom and in that way is of marked use in preventing harm from cold waves. Effort is made to maintain a temperature not below 30 degrees, a higher temperature preferred, if possible. It is considered possible by judicious and careful use of 40-80 heating pots, to raise the temperature on cold nights 6, 7 or 8 degrees. A larger number of pots would develop a higher temperature. The number

of pots to be used per acre, depends on the size of the pot and the amount of coal or oil consumed therein. Some firms prefer a smaller pot, using 80 per acre and others, the larger pots, using 40 to 60 per acre.

Co-operation the Keynote.

It is fortunate under the community of interest so apparent in the orchard districts in western Colorado that every man regards himself as at the service of the orchardist and it is therefore, possible to procure at critical periods, excellent help. Some of the towns people will not accept payment at the time for the help so rendered. The orchardist in that case, remembers them in the fall of the year with sundry barrels of apples. It is apparent also that a district solidly planted to orchards is more susceptible of protection than scattered orchards, miles apart. It is also apparently true that in western Colorado, cold waves come with very little wind. The wind velocity of those districts is so light at these seasons of the year that there is rarely sufficient wind with the cold wave settling upon the orchard, to blow the heat out of the orchard. In other districts where the freezing temperature comes with a strong north wind, less favorable results would be secured by heaters and a greater number would be required. Other orchardists have secured beneficial results by saving the branches pruned from the trees, the utilization of stable litter, damp straw and the preparation beforehand of a considerable number of brushpiles, formed of slowly combustible material. In Idaho and in Washington, good results have been secured by judicious use of this crude material.

Apple Seedlings

We have finished grading Apple Seedlings and find after filling orders we still have a few No. 1, a quantity of No. 2, and several hundred thousand No. 3 and No 4 grades to offer. Our grades are good—sample sent on request.

Catalpa Speciosa—genuine

We have 200,000 12 to 18 inch, 300,000 18 to 24 inch, 100,000 2 to 3 ft. There is a surplus this year and prices are very low—get ours.

Osage Hedge

About 800,000 1 year No. 1. Fine. No one questions the price—they are handled below cost.

Apple Grafts

We will will put up a limited number of grafts for the trade. Cloth or string wrapped. Good assortment.

Early orders solicited.

F. W. WATSON & CO.

Topeka, Kansas

MOUNT ARBOR NURSERIES

132 Center St. Shenandoah, Iowa

E. S. WELCH, Prop.

ONE

OF THE

LARGEST

AND

MOST

COMPLETE

LINES

OF

General Nursery Stock

On the Market

Apple Scions Wanted

ASK FOR SPRING TRADE LIST
NOW READY

A SURPLUS OF
Apple Seedlings

Early Richmond and Large
Montmorency Cherry

All grades of two-year trees

Kieffer Pear

Two-year, budded on French
Pear Roots

Concord Grape Vines

Catalpa Speciosa,
Black Locust and
Black Walnut
Seedlings

California
Privet

Ohio Nurserymen's Association In Session

**President McNary Reviews Entomological Conditions and Work of Executive Committee
--Small Fruit Trade Discussed by W. N. Scarff--Winter Storage, by
Fred Green--Officers Re-elected**

By W. B. Cole, Secretary, Painesville, Ohio.

THE third annual meeting of the Ohio Nurserymen's Association was held at Hotel Vendome, Columbus, O., Jan. 11th, 1910. It proved to be the best meeting of the association in point of numbers and interest, about thirty of the leading nurserymen of the state being present.

The address of the president, J. W. McNary, was a very thoughtful and candid review of the entomological conditions affecting the nurserymen and of the work of the executive committee for the past year.

The "Small Fruit Trade in Ohio" was the title of an able paper prepared and read by

W. N. Scarff. He took up the history of the small fruit plant trade in Ohio for the past twenty years, describing the evolution of the trade, from the time every farmer attempted to grow his own plants and some to sell, up to the more satisfactory and up-to-date methods of the small fruit plant nurseryman who makes a specialty of the work and not a side issue. He also referred to the approved methods of growing, storing and packing of nursery products. All of these changes have been in the interest of the buyer so that now few small fruit growers attempt to grow their own plants, relying almost entirely on the nursery for their stock.

Mr. Fred Green of the L. Green & Son Co., prepared a paper giving much valuable information on winter storage of nursery stock comparing results with the different methods. Special attention should be given to watering, ventilating and the use of proper packing material. Every nurseryman must learn by experience how best to handle conditions in his own cellar.

The meeting was attended by the state inspection force. Chief Inspector, N. E. Shaw, gave results of extensive experiments during the last year for the control of wooly aphids on apple trees in the nursery.

The question, "Should Nurserymen be Allowed to Profit by the Fumigation Treatment," was followed by a warm discussion of inspection methods. No definite action was taken by the Association asking for a change in the present methods, although the general sentiment prevailed that some change ought to be considered at an early date.

A social session was held in the evening at which J. H. Dayton gave a very interesting talk on his recent trip to the "Great Northwest." S. W. Call gave several recitations and all dispersed at a reasonable hour after giving the entertainers a hearty vote of thanks.

The officers for the ensuing year are as follows: President, J. W. McNary, Dayton, O.; Secretary, W. B. Cole, Painesville, O.; Treasurer, W. N. Scarff, New Carlisle, O.

Best Catalogue of Apples

The best catalogue of apples in existence was made by an Indiana man, W. H. Ragan, of Greencastle. It is, in fact, one of the most complete publications on the nomenclature of cultivated fruits ever issued in any country. Upon its completion by Ragan it was published by the department of agriculture at Washington, with a strong indorsement, in which Ragan was spoken of as "a man equally versed in fruits, and one who possessed natural qualifications, a long experience in pomology, and a national reputation in fruit nomenclature."

This catalogue contains in alphabetical order the names of every variety of apple known in the United States from 1804 to 1904, with brief accounts of their origin, form, size, color, texture of skin, color of flesh, flavor, quality, use and season. It is a work of monumental industry, and shows its compiler to have been a past master in pomological lore.

From reliable sources reports have been received estimating that the citrus fruit crop of Florida this season will reach the enormous total of 7,000,000 boxes. This means that over \$10,000,000 will be realized from the sale of oranges alone during the next six months.

ORIENTALS LIKE APPLES.

W. B. Glake, one of the leading Pacific Coast shippers of the fruit to the markets of the Orient, says that in the few years Oregon apples have been going to China and Siberia a demand for the fruit has grown up that is likely to prove very difficult to adequately supply. In Vladivostok, Hongkong and half a dozen other trans-Pacific ports there is a strong and steadily growing demand for Oregon apples," he says, "and with the crop of this state already so heavily bought up for the Atlantic coast markets, the chances are that we will not be able to more than partially satisfy the trade across the Pacific."

We offer for Spring 1910

Exochorda Grandiflora, 2-3 and 3-4.
Honeysuckle, M. Fragrant—2 yr.
Scarlet Trumpet—2 yr.
Forsythia Fortunei, 2-3 and 3-4.
Spiroea Aurea, 2-3 and 3-4.
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Red Snowberry, 2-3.

NORMAN & HACKER, - Painesville, Ohio

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Write us for catalogues, stating what list you want.

The Simplex Tree Baler

Does the Work. Price \$16.00

It Is Now Working in Seventeen States

Also Fruit and Shade Trees, Evergreens, Ornamental Shrubs, Roses, Peonies, Gladiolus, Cannas and Dahlia Roots.

Special—20,000 California Privet

L. F. DINTLMANN, 27, Belleville Ills

Ornamental Nurseryman Wanted.

WANTED—A thoroughly competent Ornamental nurseryman. One familiar with varieties, propagating, transplanting, etc.

Address, SILVA-BERGTHOLDT COMPANY, Newcastle, California.

KNOX NURSERIES

Cherry Trees

1 and 2 years old.

The best the market affords.

H. M. SIMPSON & SONS

VINCENNES, IND.

Whiting Nursery Co.

A general stock of hardy Northwestern Varieties that will succeed anywhere. It will pay you to get my Free Descriptive Catalogue. It is accurate, concise and original, and based upon 25 years' experience in South Dakota. The best of its kind in the Northwest to-day.

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NURSERYMEN AND FLORISTS

The Benjamin Chase Co., 11 Mill St., Derry, N. H.

MINNESOTA NURSERY STOCK

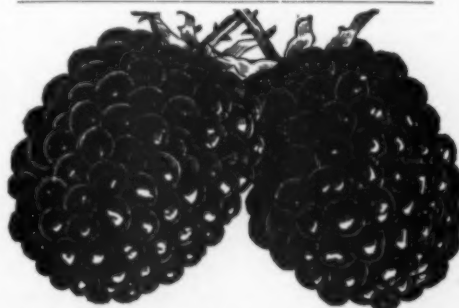
Complete assortment of Fruit and Ornamental stock in all varieties suited to northern culture. A specialty of Hardy Shade Trees, Windbreak Stock, Evergreens (Coniferous), Deciduous Shrubs, Apples and Native Plums

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Lake City, Minn.

Established 1868.

1200 Acres



EVERYTHING IN SMALL
FRUIT PLANTS

ASK FOR PRICE LIST

W. N. Scarff, New Carlisle, O.

Inspection and Importation of Foreign Nursery Stock

**Committee on Legislation, of American Association of Nurserymen, Calls Upon all Members of the National Body to Take Up This Matter at Once with Their Congressmen--
Read Herewith Just What the Nurserymen of the Country Demand**

By William Pitkin, Rochester, N. Y., Chairman Committee on Legislation, A. A. N.

I WOULD like to make a brief statement as to the situation in regard to federal inspection regulating the importation and inspection of foreign-grown nursery stock. Mr. Charles J. Brown, Chairman of the Legislative Committee of the American Association of Nurserymen, asked me to serve on the Committee, and to take charge of matters of federal legislation, as I had had charge of the matter a year ago.

In my report made to the Association at the June convention I gave you some information as to the bill that was introduced in Congress last winter. The same bill was again introduced in the House of Representatives on Dec. 16th, and referred to the Committee on Agriculture.

It was the understanding last winter with Dr. Howard that he would meet the Nurserymen's Committee during the summer, and that we would endeavor to get together on a bill that would be mutually satisfactory, and at his suggestion our committee formulated a bill and sent it to him for his consideration, but we never have been able to secure a conference.

Messrs. Pitkin and Rouse at Boston

On Dec. 27th the Association of Horticultural Inspectors, made up of delegates from the various state inspection departments, held their annual meeting in Boston, and at their request Mr. Rouse and myself attended their meeting, and presented for their consideration the bill which had been drawn up by the Nurserymen's Committee, and sent to Dr. Howard for his consideration. With some slight amendments our bill was endorsed by that meeting, the principal change being that which provided that small shipments of one thousand or less might be inspected at ports of entry at the discretion of the Secretary of Agriculture. We agreed to this amendment, because it was expected that the inspectors of the various states

Hydrangea Arborescens Grandiflora

(American Everblooming Hydrangea)

We offer the largest stock of strong 2-year old plants in America, of this Finest Hardy Ornamental Shrub introduced in 30 years, and at extremely attractive prices. Also strong plants of *Yeast Snowball Hydrangea*, (*Hydrangea Cinerea Sterilis*) a distinct native species from the first mentioned, but a fitting companion to it. Also Ornamental Shrubs, Peonies, Lilies, Dahlias, Gladiolas, Iris, Hardy Herbaceous Plants in great variety. List free.

E. Y. TEAS, Centerville, Ind.

WE OFFER

A fine lot of Native Plum on Plum.
Keiffer, Garber, Idaho, and Sudduth Pear in all grades. Elberta Peach No. 1.
Grapevines—Concord and choice varieties.
Maple, Catalpa, Mulberry, Wild Black Cherry, Elm and Ash Seedlings in all grades.
Prices given upon request. Write for same.

FREMONT NURSERIES

B. F. FIELDS & SON

Fremont, Neb.



William Pitkin

would be authorized by the Washington Department to make this inspection. In many of the states their organization is small, and it was thought that it would be a heavy burden if they were obliged to go all over the state and inspect small lots, and in order to secure their support we agreed to their amendment in this particular.

Dr. Howard Too Busy to Confer

At the last meeting of the American Pomological society, a committee was appointed to urge federal legislation regulating the inspection and importation of foreign nursery stock, and the chairman of that committee, Mr. Watson, has written me informally approving of our bill, and I have asked him to give the formal approval of his committee to the bill, and no doubt will receive it soon.

We do not think that this measure will be satisfactory to Dr. Howard, but that he will ask for a law which gives him arbitrary powers and discretion. We met him for a few minutes in Boston, but he said he was too busy to talk with us, and also said that he had two measures in mind: First, the absolute exclusion of foreign nursery stock, particularly seedlings; second, a law which would require every nurseryman desiring to import stock, to secure from him a permit to make the importation, and to both of these propositions our committee strongly objected.

Evident That Fight is at Hand

It is evident that we shall have a fight on our hands before the winter is over, and we will need the strongest kind of support from the nursery interests of the country generally.

The Nurserymen's Bill was printed in full in the July edition of this paper, and has been amended at the instance of the Association of Horticultural Inspectors, to provide for the inspection of small lots at ports of entry. Our committee insists that any

legislation must cover these points: First, that the inspection must be done at the final destination on the premises of the consignee; second, that everything must be inspected, and nothing admitted under foreign certificates; third, that the law must be explicit and mandatory, and that nothing be left to the discretion of any official, except that small lots under one thousand may be inspected at ports of entry, and on these points we propose to make the strongest fight possible, and ask for your support and help.

Every Nurseryman Vitally Interested

Every nurseryman is vitally interested, and should secure the active support of his member of Congress, and particularly so if his Congressman is a member of the Committee on Agriculture of the House of Representatives. That Committee is made up as follows:

Charles F. Scott, Kansas, Chairman; Wm. W. Cocks, N. Y.; Ralph D. Cole, Ohio; Gilbert N. Haugen, Iowa; James C. McLaughlin, Michigan; Willis C. Hawley, Oregon; Joseph Howell, Utah; Pleasant T. Chapman, Ill.; Charles C. Pratt, Pa.; L. B. Hanna, N. Dak.; Frank Plumley, Vermont; John Lamb, Va.; Asbury F. Lever, S. C.; Jack Beall, Texas; William W. Rucker, Mo.; Augustus O. Stanley, Ky.; Gordon Lee, Ga.; James T. McDermott, Ill.; Wm. H. Andrews, N. Mex.

United Action is Necessary

Energetic and united action will be necessary to prevent injurious and obnoxious legislation, and it is up to you to help the members of your Committee in every way possible. With the support of the Association

(Continued on page 33)

F. W. KELSEY NURSERY CO.

Having sold my stock in the American Nursery Company, I have severed my connection with that Company.

My former patrons and new customers may rest assured that any business now entrusted to me and to the F. W. KELSEY NURSERY COMPANY will receive prompt and courteous attention and the advantages of ample resources, full responsibility, and the superior facilities which more than thirty years of experience in the successful management of the Nursery business here commands.

The new Company will make a specialty of furnishing large planting lists complete; and all kinds of Trees, Shrubs, and Hardy Plants including extra specimens from personally selected stock will be supplied on favorable terms.

FRED'K W. KELSEY, 150 Broadway, N. Y. City

BIG SURPLUS OF CONCORD Grape Vines, Cheap

3 year No. 1, 2 year No. 1, 1 year No. 1,
1 year No. 2 and 1 year No. 3.

All carefully graded up to
highest standard. Also
full stock of other varieties
and Small Fruits.

Lewis Roesch & Son, Fredonia, N. Y.

Young Stock For Lining Out

Evergreens, Shrubs, Vines.

Our Own Growing—No Brown Tail Meth

Soft Maple Seedlings White Oak Seedlings

Asparagus, 2 yr. fine, Evergreens, Shade
Trees, Shrubs, Grape, Dewberries,
Horseradish, Rhubarb, etc.

Wild Bros. Nursery Co.

Established
1875

Sarcoxie, Mo.

Why a Great Nursery Firm Began Orcharding

Orlando Harrison, of J. G. Harrison & Sons, Talks on Relation of Nurseryman to Fruit Grower--These Nurserymen Practice What They Preach--Heavy Planters of Nursery Stock in Orchard--Why Prices for Nursery Stock Have Advanced 35 Per Cent in Six Years' Time.

Extract From Address Before West Virginia Horticultural Society

SEVERAL years ago I began making an investigation and I found that a great deal of the trouble between the nurserymen and fruit growers was carelessness on the part of both. I think we should be honest with each other. The nurserymen is in the tree business for an honest living. You are in the orchard business for an honest living also. The way we happened to get into the orchard business was that I got an idea that the nurseryman wasn't going to be able to exist. About six years ago it actually seemed impossible. And, gentlemen, I knew you fruit growers were making money and some of you a big per cent. on your investment. On the spur of the moment we went to planting orchards ourselves. After looking carefully around we considered the mountains and planted some in West Virginia. Having been familiar with your conditions and intimately associated with your good citizens, I am pleased to say we have not regretted making the investment. We are stockholders in orchards in your state and have furnished the trees for five orchards aggregating over one hundred thousand: Knobly Mt. Orchard Co., 40,000; Alkire Orchard Co., 30,000; Mineral County Orchard Co., 20,000; North Mountain Orchard Co., 12,000; Grimes Golden Orchard Co., 7,000 of Martinsburg, W. Va., and in our orchard at Hancock, Maryland, the Tonoloway Orchard Co., has planted over fifty thousand trees. We are now organizing the Elberta Fruit Farms at Hancock, Maryland, which we will plant in peaches.

The relation between fruit grower and nurseryman is this: The nurseryman must grow good trees in order to sell them and to maintain his reputation and keep his trade; at the same time he must charge enough for them to cover expenses. It is necessary, if he exists (and at one time I thought it would not be possible) nursery inspection must be done; and we are glad that it must be done, because I think it is a benefit to the nurserymen and to the orchardists. Owing to the rigid inspection laws of our state we are charging you about 35 per cent. more for trees at the present time than we did about six years ago, and I want to say candidly that trees cost the nurserymen 50 per cent. more than they did six years ago, because you are demanding better trees all the time and you are getting the worth of your money. The nurseryman is the hardest worked man you will find, both mentally and physically.

One man says: "The little trees will do for me because the price is small." You send him trees two feet and he will come back and say "I don't want your trash." We send the grade ordered or the nearest to it to give you the variety ordered. We think we have men who grade and know how to grade; they have been at it for years.

How to Measure Trees.

One man started from the top and went down, the other measured from where he set them in the ground. Who is correct? Neither. Now that the demand is for low

headed trees, the trunk of the tree should be considered as to its value.

Caliper: I wonder how many fruit growers would prefer in the future that nurserymen sell trees by caliper one inch above the bud, instead of height. I wonder if it would not be more satisfactory. For years I thought not; but I have come to the conclusion that the fruit grower has learned that the value of the tree is in the caliper. I am anxious to know if it would not be advisable for the nurserymen to state in their catalogue if a tree is 3 to 4 ft., 4 to 5 ft or 5 to 6 ft., add to that the caliper one inch above the bud. This is done in wholesale between nurserymen, but not with the retail trees generally.

How Trees Grow.

I want you to take one thing into consideration; suppose you want someone to grow for you five thousand different kinds of apple one year, whole root buds on French stock; for example say, York Imperial, Ben Davis, Stayman's Winesap, Grimes Golden, Rome Beauty and Stark. The Stark will grow six feet in one year. York Imperial three or four. Stayman's Winesap four to five, Grimes Golden three to five, Rome Beauty four to five, Ben Davis four to five. These trees all have cost the nurseryman the same.

We ship trees out grown in the same soil, same cultivation, same fertilization. A man will say, "Why didn't you ship all the trees

(Continued on Page 38)

Largest Grower in America of

Grape Vines

OTHER SPECIALTIES:

Currants and Gooseberries

Introducer of

Campbell's Early Grape, Josselyn Gooseberry
and Fay Currant

OVER THIRTY YEARS WITH NO CHANGE
WHATEVER IN OWNERSHIP OR MANAGEMENT

OUR main business is the growing of unusually high grade stock suitable for the proper filling of Nurserymen's Retail Orders. There being no standard for grading above kinds of stock, every grower of the same is at perfect liberty to adopt his own ideas for growing and grading and alter the same as often as he sees fit.

Our stock this season has made very heavy growth and we have ordered extra boxing to meet this necessity. Box and packing free.

Prices reasonable but not always lower than are generally quoted for light rooted stock.

Please send us your list of wants.

GEORGE S. JOSSELYN

Fredonia, N. Y.

WOOD LABELS

For Nurserymen and Florists

Printed and Plain Labels. Wired and Unwired

Facilities for the handling of your requisites, combined with the quality of our product is unsurpassed.

Samples and prices are at the command of a communication from you.

Dayton Fruit Tree Label Co.

South Canal St.

DAYTON, OHIO

It is Up to You

If you have not gotten complete control of the dread

San Jose Scale

WE KNOW THAT PRATT'S

'SCALECIDE'

will do it more effectively than Lime-Sulphur, for less money and less labor—five years of proofs.

PRICES:—In barrels and half barrels 50c per gallon; 10 gallon cans \$6.00; five gallon cans \$3.25; one gallon cans \$1.00.

Send for Booklet "Orchard Insurance"

If you want cheap oils, our "CARBOLEINE" at 30 cents per gallon is the equal of anything else

B. G. PRATT & Co., Mfg. Chemists, 50 Church St., New York City

AMERICAN FRUITS

An international monthly Nursery Trade Journal, circulating throughout the United States and Canada and in foreign countries.

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Per column inch - - - - - \$1.40
Discount, 3 mos. 5%; 6 mos. 10%; 12 mos. 15%

Advertisements should reach this office by the 15th of the month previous to date of publication. Drafts on New York, or postal orders, instead of checks are requested.

Correspondence from all points and articles of all kinds of interest to the Nursery Trade, and allied topics are solicited.

ROCHESTER, N. Y., FEB., 1910

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Tariff—Irrving Rouse, Rochester, N. Y.

Legislation—Charles J. Brown, Rochester, N. Y.

Co-Operation with Entomologists—Orlando Harrison, Berlin, Md.

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Editing Report—George C. Seager, Rochester, N. Y.

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Utah—P. A. Dix, Roy.

READ AND PRESERVE

In these busy days of competition and hustle many are apt to neglect the reading of matter appertaining directly to conditions in their trade. Let us urge those who receive AMERICAN FRUITS to take time to peruse, to a considerable extent at least, the articles that are presented from month to month in these columns. They relate to the nursery trade and to operations in fruit growing directly depending upon demand for nursery stock. In every issue of this magazine are valuable pointers for the nursery man as to sources for increasing sales of his product.

The issues of AMERICAN FRUITS should be carefully preserved in regular order, year by year, for frequent reference. Often a re-reading will give information particularly applicable to a case at hand.

American Apples in Demand

Consul Henry H. Morgan, of Amsterdam, reports that there will be a large demand for American apples in the Netherlands during the coming year, due to the fact that this year's crop of Dutch apples is considerably below that of former years. The consul's trade details follow:

Heretofore the greater part of American apples imported into Holland have been re-shipped from Liverpool and Hamburg, but better prices can be obtained by American growers by shipping their apples direct to Amsterdam or Rotterdam, as the intermediate freight will be avoided. There are direct lines of steamers to Rotterdam and Amsterdam from New York, Boston, Philadelphia and Baltimore.

The kind of apples generally imported and prices generally obtained per barrel of three bushels, is as follows: Baldwin \$3.80 to \$5.50; Spy, \$3.50 to \$5.00; Ben Davis, \$3.50 to \$4.50; King, \$5.70 to \$7.15; York Imperials, \$3.80 to \$5.00. Red apples are preferred to green or yellow ones.

The Lesson of Hood River

It is something to get for a product the best price earth affords. It is something to sell that product on its reputation in the market. It is something to have the buyer say he does not care to examine his purchase as was the case last fall when a record price was paid for Hood River apples yet unpicked. It is not only something, but an extraordinary something for all this to have happened.

The incident is not accident. It is not the result of chance. It is not the mere fact of Hood River soil and climate. These are factors, but they are only a part. If the Hood River apple depended for its world reputation on these, nobody would ever have heard of it. Other lands and other climates are of almost the same class, but their apples are unsought and unsung.

Hood River men hitched their apple wagons to a star, says the Portland, Ore., Journal. They planned to produce the best. They compared methods and studied processes. They threw old systems into the scrap bin of ages. They gathered literature and pored over it. They dreamed of a perfect apple, and set about to attain it. They learned how to work the land. They worked out the problem of thinning the young apples on the trees to the end that each should have air, nourishment and room not only to grow to the proper size, but to take on a perfect form. They developed packing into a fine art. All these and many more things. They reduced to the finality of perfection, and every man in the business harmonized himself with the common purpose.

The product was success. By the plan, the little valley smote the world and made it bow obeisance. It evolved a luxury that the rich are determined to have, and are ready to pay the price. That price is fixed this year at larger figures than ever before. It is the reward of the applemen, and was earned. It is the fruit of intelligent method laid upon the soil with purposeful design. It is a process that will heighten profits in every line of husbandry, and that, with the growth of intelligence will be more and more applied, it is worth while, on every farm to look to and learn from Hood River.

Ancient and Honorable.

The record of the 80 years of the Massachusetts Horticultural Society is a most creditable one, says the New York Herald. It has occupied three buildings and its present property is worth considerably more than half a million dollars. The building cost some \$290,000 and the site was valued in 1901 at over \$200,000.

The original incorporators named in the charter granted in 1829 were Zebedee Cook, Jr., Robert L. Emmons, William Worthington, B. V. French, John B. Russell, J. R. Newhall, Cheever Newhall and Thomas G. Fessenden. The first meeting of the new organization were held at 7½ Congress street, but as the membership grew it was necessary to find larger quarters. These were found on the third floor of a building on North Market street, which came to be called Horticultural Hall. Here the first flower shows were held and the foundation for the library was laid. The location at that day was held to be excellent. From the window a view of Faneuil Hall and Quincy market was to be had and through the vista of Merchants row a glimpse of State street.

It was in the dining hall of "the famous rebuilt hotel known as the Exchange Coffee House" that the first annual exhibition was held in the September of 1829. In 1831 the quarters were removed to Joy's building on Washington street. Out of the society's inquiry "into the expediency of purchasing a piece of ground in the vicinity of Boston for a garden of experiment and a rural ceremony" came the establishment of Mount Auburn cemetery. The premises were conveyed by the society to the Mount Auburn Corporation in 1835.

Those early days were full of brilliant assemblies under the auspices of the society. The most famous of these was held in 1845 in Faneuil Hall. Edward Everett, who on the very morning of the festival arrived in the city after five years at the court of St. James, was a speaker; Daniel Webster was introduced as "the Marshfield farmer"; Caleb Cushing, just home from the embassy to China; R. C. Winthrop, Josiah Quincy and J. G. Palfrey also spoke. During the evening the aged widow of Alexander Hamilton was introduced to the audience.

Many times the annual exhibitions were held in a huge tent on the Common. The society has owned three buildings. The first Horticultural Hall stood in School street, and was occupied in 1845. It was at the corner of Cheaman place, on the site of the old Boston Latin school. This was sold in 1858 to Harvey D. Parker and gave the room for an addition to the Parker House.

Then in 1865, the Tremont street Horticultural Hall was dedicated. This was one of the show places in Boston for many years. It stood where the Paddock building now stands. It was a handsome structure, adorned with three granite statues, for each of which \$5000 was given by three members of the society. Martin Milmore was the sculptor. When the third building was erected, to the disappointment of some of the older members, they did not harmonize with the architectural style adopted, and were not placed upon its facade.

The permanent officer of the society, always at his desk in the Horticultural building, is Walter P. Rich. The society has corresponding members in all parts of the world—in France, in England, Sicily and Singapore, Java, South Africa and, as a matter of course, in nearly all the states of the Union.

America's orange crop can almost supply the world. Florida comes in the market with more oranges than she ever had since the great freeze—5,000,000 boxes. Louisiana comes next in the market, the first time in many years with 1,000,000 boxes. The crop in Porto Rico is unusually large, and New York has been getting Porto Rican oranges for several years. Arizona has a full blush crop of irrigation oranges, eighty to the box, forty to the half box, finest in the world, perhaps, except the Bahian. Mexico and Cuba are appealing with a surfelt or oranges. California, it seems sad to mention, has raised her regular crop. Where will they go?

1910 EDITION

Pocket Directory of Nurserymen

THE 1910 edition of the "AMERICAN FRUITS" POCKET DIRECTORY OF NURSERYMEN of the United States and Canada will soon be issued. It will in many ways be superior to former editions. Chief among the new features will be the fact that every name listed will be that of a nurseryman actually in business at the time information was obtained, a short time previous to the appearance of the Directory. The lists were obtained from the most authentic sources—state officials.

Names will be arranged alphabetically, according to states; and the name of the state will appear at the top of each page, making easy of reference any name in any state, with the latest address.

In addition to the Directory of Names, there will be a large amount of information pertaining to the Nursery Trade; so that the volume will be what was originally intended—a thoroughly up-to-date, comprehensive, ready-reference guide for the Nursery Trade.

A large edition is being arranged for; and, judging from the requests that have been coming in since the first of the year, the first edition will be exhausted in a comparatively short time. The plates will be preserved and other editions will be run to meet all demands.

The Directory has had so wide a circulation and meets such a practical daily need in every Nursery office that it provides an unusually valuable medium for business announcements.

Rates for advertising in the Directory are given herewith. The covers will be printed in two colors.

We should have your order at once if you wish advertising space in the Directory.

1910 DIRECTORY ADVERTISING RATES.

Size		Cover Pages
One Page 5 1-4 x 2 1-2.....	\$10.00	Inside Front \$15.00
Half Page 2 5-8 x 2 1-2.....	6.00	Inside Back 15.00
Quarter Page 1 5-16 x 2 1-2.....	3.00	Outside Back 30.00

Advertisers will receive copy of Directory gratis.

Furnished Million Trees a Year

By E. W. Hazeltine, Grand Forks, N. D.

Forest trees have been planted to great extent for twenty to twenty-five years in the eastern and northern part of North Dakota. This has changed the prairie landscape materially and has aided in changing the cli-

mate. We have furnished for this work an average of 1,000,000 forest trees yearly. Last year we supplied 100,000 to the Great Northern R. R. Company to be used as wind breakers on their right of way.

So Easy a Boy Can Do It

Giles G. Callahan, 14 years of age, is superintending and doing the actual work of growing what promises to be one of the finest orchards in the Touchet valley. More than a year ago Frank Callahan, the boy's father decided to make a practical orchardist of his young son.

He bought 14 acres of rich land near Waltsburg, Wash., and turned it over to the lad. Three varieties of apples were planted—Rome Beauties, Winesaps and Jonathans. The trees have gained a uniform height of over three feet without irrigation. Young Callahan attributes the remarkable growth largely to his rigid cultivation of the soil. Any day in the week, Sundays excepted, the little fellow can be seen working among the young trees with unflagging industry. The boy reads the leading horticultural journals and puts the knowledge thus gained into practice.

A Constructive Industry

A man who has made a study of the development of the northwest for the past 25 years recently said to me:

"In another quarter of a century the large wheat farms of the Pacific northwest will be a thing of the past, and in its place we will have many smaller farms and fruit growers."

There are many industries that will yield a larger annual income than fruitgrowing, but there are few if any that can compare with it in the real, substantial steps of empire building. Lumbering and mining have frequently yielded larger and more spontaneous incomes than fruit growing but theirs is an industry of destruction. The forests must be completely destroyed before they can be converted into money values, while the orchard as it grows increases the value of the country, enhances its beauty, and thus makes it more habitable to man.

STATE AND DISTRICT ASSOCIATIONS

- American Nurserymen's Protective Association**—President, J. W. Hill, Des Moines, Ia.; secretary, Thomas B. Meehan, Dresher, Pa. Meets annually in June.
- American Retail Nurserymen's Protective Association**—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
- Association of Oklahoma Nurserymen**—President, J. A. Lopenan, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.
- Connecticut Nurserymen's Association**—President, John S. Barnes, Yaleville; secretary, Frank E. Conine, Stratford.
- Eastern Association of Nurserymen**—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
- National Association of Retail Nurserymen**—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.
- Ohio Nurserymen's Association**—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.
- Pacific Coast Association of Nurserymen**—President, S. A. Miller, Milton, Ore.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.
- Pennsylvania Nurserymen's Association**—President, Thos. R. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holly Springs, Pa.
- Southern Nurserymen's Association**—President R. C. Berckmans, Augusta, Ga.; secretary-treasurer, A. I. Smith, Knoxville, Tenn.
- Tennessee Nurserymen's Association**—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.
- Texas Nurserymen's Association**—President, J. R. Mayhew, Waxahachie, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
- Western Association of Nurserymen**—President, J. H. Skinner, Topeka, Kan.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

KINDRED ORGANIZATIONS

- American Carnation Society**—A. J. F. Baur, secretary, Indianapolis, Ind.
- American Federation of Horticultural Societies**—Charles E. Bassett, Fennville, Mich.
- American Institute**—Robert A. B. Dayton, 15 William Street, New York City.
- American Pomological Society**—John Craig, Ithaca, N. Y.
- American Rose Society**—Benjamin Hammond, Fishkill-on-Hudson, N. Y.
- Chrysanthemum Society of America**—C. W. Johnson, Rockford, Ill.
- International Apple Shippers Association**—C. P. Rothwell, Martinsburg, W. Va.
- Mississippi Valley Apple Growers Society**—James Handly, Quincy, Ill.
- Missouri Valley Horticultural Society**—A. V. Wilson, Muncie, Kan.
- National Council of Horticulture**—H. C. Irish, Botanical Garden, St. Louis, Mo.
- National League of Commission Merchants**—P. M. Kiely, 903 N. Fourth St., St. Louis.
- National Nut Growers Association**—J. F. Wilson, Poulan, Ga.
- Northwestern Fruit Growers Association**—E. R. Lake, Corvallis, Ore.
- Pennsylvania Horticultural Society**—Wesley Webb, Dover, Del.
- Society for Horticultural Science**—C. P. Close, College Park, Md.
- Society of American Florists and Ornamental Horticulturists**—W. N. Rudd, Morgan Park, Ill.
- Western Fruit Jobbers Association**—E. B. Branch, Omaha, Neb.

IN WESTERN MICHIGAN.

Peaches and plums are profitable crops in western Michigan. In Oceana county where the fruit industry has been further developed than in some of the other parts of the region, the returns from these fruits have been surprising. Here are a few figures:

- \$1,300—6 acres of peaches, 600 trees, R. V. Wammer.
- \$1,200—4 acres of peaches, 500 trees, John Near.
- \$3,000—12 acres of peaches, 1,200 trees, J. B. Gebhard.
- \$1,750—8 acres of peaches, 1,000 trees, S. S. Branch.
- \$2,000—10 acres of peaches, 1,200 trees, G. A. Hawley.
- \$500—4 acres of peaches, 700 trees, C. S. Frick.
- \$750—1 1-2 acres of peaches, 225 trees, C. A. Sessions.
- \$1,064.70—3 acres of peaches, 410 trees, Arthur Tennant.
- \$1,000—4 acres of peaches, 640 trees, R. F. Ames.
- \$1,631.24—4 acres of peaches, 337 trees, H. S. Elliott.
- \$875—300 peach trees, Williams Brothers.
- \$108—50 peach trees, C. Davis.
- \$500—2 acres peaches, 200 trees, A. B. Whitenbury.
- \$1,267.50—207 peach trees and 70 plum Edwin Stanhope.

Texas Nurserymen Oppose Replacing of Stock

Resolution to That Effect Adopted by Vote of Four to One at Mid-winter Meeting of Texas Association at Dallas--E. P. Bernardin, of Kansas, Participates in Discussion--Committee on Publicity Appointed

By John S. Kerr, Secretary Texas Nurserymen's Association

THE mid-winter meeting of the Texas Nurserymen's Association was held at the Southland Hotel, Dallas, Texas, January 14th. President J. R. Mayhew presided. The meeting was held with open doors. E. P. Bernardin, Parsons, Kan., was accorded the privilege of the floor.

Papers of great interest to the nursery trade were read, and the discussions proved of much value. Comprehensive reports will be given in succeeding issues of AMERICAN FRUITS. Place for next meeting was left with the executive committee. The following were appointed a committee on publicity: John S. Kerr, F. T. Ramsey, J. B. Baker.

One of the most important topics discussed was the question of replacing stock.

E. P. Bernardin, being called upon, said: "In a practice of thirty years, we do not guarantee or replace at less than original price, and many other nurserymen in my section are adopting the same plan. I do not believe the nurserymen should be an insurance man as well as nurseryman.

John S. Kerr, being called upon, said, "I take the position favorable to the practice of replacing at half catalogue price, trees that die within one year after planting, if well cared for by the planter, the cash to accompany the order to ship and express charges to be paid by the planter. Where this replacing is done by the salesman, the trees are to be delivered with other trees sold at the same point, the salesman to get little or no commission on replaced goods, it being an advantage to him to do the replacing at half price which inspires confidence and good will, and greatly influences his securing another order.

"I am speaking of nurseries who use salesmen rather than catalogue trade. I am conscientious in this position. I believe it just and fair to the planter, as the average sales are handled through salesmen especially. It

begets a feeling of confidence of being well treated among our customers. There is no better asset for the nurseryman than a reputation of fair and liberal treatment among the customers, it is a great favor and help to the planter and in the end proves no hardship to the nurseryman, properly handled.

"It will be urged that the practice is abused. That may be but that is not the fault of the practice. The same men who abuse this practice will abuse any practice you may inaugurate. It will be said notes taken are rendered worthless. Such notes were never any good then. Make your notes secure and strong and they will stand. It is urged that people will falsify about it. Such people will falsify about any other practice, and such customers must be dealt with justly and with a firm hand. Eliminate the weak, slack, twisted poor salesman and have this half price replacing done in a good business way and it is a success. There are other reforms we would do well to make before cutting this out. Grow a better class of stock, grade it better. The grading of southern nurserymen is poor and uncertain. Pack the orders better. In ordinary salesman practice, each order should have roots mossed and burlapped separately to insure the stock to arrive in good order. How many of you are satisfied that you get your deliveries made in good order. I am conversant with the situation in a general way, and believe half price replacing just and right.

"The catalogue nurseryman occupies a different sphere somewhat, I think. He must speak for himself."

"Of course, we do not replace wholesale orders, only those sold at retail prices, all single dozen and hundred rates."

"It is well to have a definite plan and have it stated on the order sheet, and have the plan carried out faithfully. I should greatly dislike an attempt to make this change. I am sure the majority will not do it, even though we vote it here."

D. J. Muncy gave very adverse experience in replacing, great injustice being practiced on him. "We really can replace dead trees if we want to without a contract," he said.

J. B. Baker said he replaces free the trees he furnishes and plants and which do not start to grow.

H. W. Needham: "I believe in replacing at half price."

A resolution was offered by D. J. Muncy as follows:

"Whereas, The policy of replacing nursery stock at less than full value, heretofore extensively practiced in this state, has resulted in serious loss to the nurseryman, exercised a demoralizing influence over the salesman, and has not really benefitted the planter because it has encouraged negligence on his part in planting and looking after trees and plants purchased by him and led him to underestimate the value of such nursery stock sold him, and

"Whereas, this association was instituted and is maintained to promote the best interests of both nurserymen and planter, which said interests are being seriously crippled by the above policy mentioned, and "Whereas, said practice necessarily tends to destroy the confidence of the planter in the nurseryman, and produces in his mind an erroneous impression as to the real value of the goods sold by the nurseryman,

"Now Therefore Be It Resolved, That this association unqualifiedly condemns the said policy of replacing nursery stock at less than its full market value as being unwise, unbusinesslike and wholly unnecessary, and

"Be It Further Resolved, That the real interests of the nurseryman and planter will be best promoted by the exercise of sound business methods in this, as well as other dealings with them."

J. R. Mayhew called Vice President Down-

ing to chair and spoke to the motion. "This is the most serious question before this association. We are stultifying ourselves before the world by this practice of replacing goods at half price. It is the cause of many of our evils. This practice is most harmful. I ask if you offer any excuse for this practice or any explanation." A voice: "Yes, it has a bad influence on the salesman. It makes shysters of salesmen. He and the customers both think alike on the proposition."

Mr. Mayhew, "There is no difference between the catalogue nursery and the nursery who sells through salesmen as to this practice. Ten per cent. of our business is settled by notes. The other is hard to collect. The trees may have been neglected and died and the customer don't want to pay for dead trees, and hence the note fails. As a whole this practice is abominable. I think every nurseryman here should vote for this resolution."

D. J. Muncy, "I forgot part of my speech. In my trial at Lockney to collect a tree debt, I was classed as low down as a lawyer or a lightning rod man, but I proved the nurseryman was a good honorable man, the replace feature was the trouble."

Some other discussion was had. The vote was taken and stood nineteen for and five against the resolution to do away with replacing.

Eastern Nurserymen's Association

At the annual meeting of the Eastern Nurserymen's Association in Rochester, N. Y., January 27th, the officers were re-elected. J. W. Pitkins took the place of C. W. Stewart, and J. H. Dayton the place of George A. Sweet on the executive committee.

BARGAINS

500 two-year Rambler Roses, in six leading kinds.
500 Grapes, 2yr. eight leading kinds.
2000 Double Pink Paeonies.
150 Snowball, 3 foot.
Clematis Paniculata, nice plants for planting in nursery.

LEVANT COLE, Battle Creek, Mich.

GRAPE VINES

A SPECIALTY

T. S. Hubbard Company

FREDONIA, N. Y.

Established 43 Years

We offer for spring trade a large and complete stock of one and two year old GRAPE VINES in strong grades for nurserymen and dealers' trade.

We also have an extra nice stock of one year CURRANTS.

Send us your want list for prices.

Wanted, Partner!

With \$7,000.00 to \$10,000.00, to take half interest in one of the best nurseries in a central northern state. Must have knowledge and skill to handle the office end of a canvassing and catalogue business. Or will sell the whole plant at a reasonable price and on favorable terms.

Address, "PARTNER,"
AMERICAN FRUITS, Rochester, N. Y.

43 YEARS OF EXPERIENCE

We offer for spring of 1910

California Privet

[Fine one-year-old plants]

We have several hundred bushels Natural Peach Pits, Crop 1909

Write for prices and special inducements on car lots

W. T. HOOD & CO.
Old Dominion Nurseries

Richmond, Va.

HYDRANGEA
ARBORESCENS GRANDIFLORA
"HILLS OF SNOW"

Choice, Strong Plants for Spring 1910

J. W. McNary
DAYTON, OHIO

POSITION WANTED—By a Nursery Man; expert planter and packer; good on Fruit Trees, Small Fruits and Ornamental Shrubs. Consider steady position only if work and conduct satisfactory. No boozers. Canadian references. Address

OKLA, American Fruits
ROCHESTER, N. Y., U. S. A.

In the Nursery Business One Hundred and Thirty-Five Years

ON the evening of the 14th inst. The William H. Moon Company of Morrisville, Pa., gave a dinner for their foreman and office men, about sixteen in all.

After a bounteous meal of turkey, oysters and the dainties of the season, a lecture was given by Henry T. Moon on "Nurseries and points of horticultural interest at home and abroad," the talk being illustrated by a superb collection of more than 150 lantern slides. Short speeches were made by members of the firm and others and music was furnished by their own members.

One picture of particular interest was that of two pear trees, sold by the great-grandfather of the present proprietors in 1775. These trees are still in good condition and bearing fruit. This was the first sale of trees on record in this family which has been engaged in horticulture down to the present day. Their establishment known as the Glenwood Nursery now covers nearly 500 acres and is almost exclusively devoted to the growing of ornamentals.

Will Need Nursery Stock Soon

The Kernar Orchard Co., Baltimore, Md., has been incorporated at Dover, Del., with capital stock of \$20,000. The incorporators are: W. F. Gwin, Baltimore, Md.; W. R. Johnson, Pittsburg, Pa.; Edward L. Worthington, Charles Town, W. Va. Capital stock, \$20,000.

200,000 Grape Cuttings

The Escondido Valley Land and Planting Company is securing from the vineyards of the valley 200,000 cuttings for the planting of thirty acres of muscatel grapes on Homeland Acres, just outside the city limits of Escondido, Cal. Each acre will contain 6000 cuttings. The planting will be done the last of February and the first of March.

To Our Inspector

Up and down the rows,
Smashing, cracking, snapping!
Chasing aspidiotus and other foes,
Snapping, crashing, smashing!
To brush or spray them as we go,
To shoot the nozzle at old Miss Jo,
To save and fumigate would never do,
Would spoil inspectors' job, you know.

Dig and fire the snapped off trees;
Take for your target the blanks we leave;
We'll have a look, when autumn comes,
At the other half, when the digging's done.
We'll break, and crack, and snap, and smash
Any trees or shrubs that catch aspidiotus rash.

It never would do to kill the scale
And save the trees, the inspectors wall.

Fumigate what's left, for its a fact,
Fumigation kills at the very first whack;
But nurserymen must only fumigate blanks,
For this is the way we apply the spansks.
The shrubs we destroy; no tree shall be saved,
That aspidiotus touches on its devious way
To the fumigating house, lime, sulphur and salt!
For this is the way we hold our job, that's what!

When the nurseryman's race is o'er
And he reaches the fumeless shore,
The inspector will still be chasing bugs,
Courting his job, and Miss Aspidiotus will hug;
But rather than fumigate her and save the trees,
He will go where lime, sulphur, and fumes are free.
It is safe to predict that if he did,
He would still be feeding at the public crib.

Texas Enjoys Louisiana Apples

The Texas Association of Nurserymen adopted a resolution of thanks to Stark Bros. for two boxes of fine apples, enjoyed at the convention.

Inspection and Importation of Foreign Nursery Stock

(Continued from page 28)

of inspectors and the American Pomological Society, the nurserymen feel that they have a strong backing, and should be entitled to consideration, and we can get it if we all work together.

Why a Great Nursery Firm Began Orcharding

(Continued from page 29)

just as the Starks were?" Because, gentlemen, they won't grow that way. My advice to fruit growers and to everyone is, if you are going to buy one hundred dollars' worth of trees, go to the nursery and you are able to see what the nurseryman is doing, and if you think after looking over the nursery that you can't trust him, don't discourage him but simply go away and don't buy. He will take the hint and try to do better.

Let the fruit grower co-operate with the nurseryman and tell him what he wants and the nurseryman will try to meet him: Don't wait until the trees are shipped and then kick, saying, the trees are here at depot subject to your order. It costs money to grow trees. It takes two years and sometimes three and hard cash and labor to produce a tree; then, if they are condemned it is a total loss to someone and this condition should not exist, you should be reasonable and remember that trees are grown and not moulded as bricks. We are trying to improve each year, a great many others are trying to do the same thing. We have over two thousand acres under cultivation in the nursery and in preparation, over three millions of peach, two millions of apple, half million pear, plum and cherry, half million grapes and ten millions strawberry plants, also half million privet and a quarter million evergreens. Gentlemen, we depend upon this business to keep us going and we depend upon you.

Roosevelt's \$100,000 Man

Bookkeepers' Rapid Rise

Theodore P. Shonts, whom President Roosevelt selected to start the Isthmian canal, the most stupendous undertaking of modern times, was once a bookkeeper at a salary of \$100 per month. As the head of the Panama Canal Commission, he received a salary of \$100,000 a year.



How Did He Do It?

Starting like many another young man in a common-place occupation, with only a knowledge of bookkeeping—plus energy, ambition and good health, Mr. Shonts finds himself today one of the foremost figures in the world of progress.

One Hundred Minutes, One Hundred Days, One Hundred Dollars

Give us 100 minutes of your spare time, for 100 days, and we will equip you to earn \$100 per month, with possibilities of advancement that will lead you to the highest salaried positions in the commercial world.

If you want to succeed in business, if you would like to secure a good paying life position with the United States Government, let us tell you about our courses in **BOOKKEEPING, SHORTHAND and CIVIL SERVICE**, which you can complete at your own home without loss of time, and at small cost.

SHORTHAND.

Eight months ago, after completing forty lessons of your Shorthand course, I secured a nice position which I still hold. Your system of teaching by principles, logically arranged and developed makes Shorthand comparatively easy.

GRACE TAYLOR,
Nepera Park, N. Y.

BOOKKEEPING.

You explain your course in Bookkeeping so thoroughly that anyone can master it in a short time. One hour each evening for three months is all that's needed. I secured a position as Head Bookkeeper before I completed the course.

A. B. WILMOT,
Newberg, Ore.

CIVIL SERVICE.

I successfully passed the Civil Service Examination for a clerkship in our local postoffice, and secured the position. Your course, in which I graduated, afforded me invaluable help in the said examination.

IRA C. HOOVER,
Muskegon, Mich.

Cut out and Mail this Coupon TODAY

A. F. Feb
Please send me information regarding the courses I have marked with a cross, also list of books you are giving away.

<input type="checkbox"/> Bookkeeping	<input type="checkbox"/> Penmanship
<input type="checkbox"/> Shorthand	<input type="checkbox"/> English and Letter Writing
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Name.....
Address.....

5 BOOKS FREE 5

To advertise our schools, we are giving away with each course of study, five handsomely-bound novels, allowing students to choose from over one hundred and fifty titles. The list includes the late best sellers; such as, "The Silver Horde," "The Jungle," "Black Rock," "The Spoilers," "Three Weeks," "Eben Holden," "Brewster's Millions," etc., etc.

Commercial Correspondence Schools
ROCHESTER, N. Y.

Results of Denver Apple Exposition

Special Representative of "American Fruits" Reviews the Display--Wide-Spread Influence of the Educational Features--A Creditable Showing in Every Way

By E. F. Stephens, Crete, Neb.

MINDFUL of what had been done at Spokane, Wash., and the benefits secured through letting the public recognize the superior quality of the fruit produced in that district, the horticulturists and business men of Colorado felt that the time was ripe for them to show the world what could be done through a large exhibit of orchard products. Colorado reports the shipment in 1909 of 8,092 carloads of apples, which is greater than the combined shipment of any three northwestern states.

By concerted action with the Denver Chamber of Commerce, the use of the Auditorium was secured. This building is very well suited to a display of this character.

The carlot exhibits were suitably displayed, banked in long rows in the center of the main floor. There were nine entries in the carlot class. These leading exhibits were flanked by smaller ones in 10, 20 and single box class and smaller exhibits from less prominent fruit districts. Minor exhibits and the single plate entries were very effectively displayed in the basement. The rivalry among the exhibitors led to large amount of decorative work. In some cases, it seemed to an outside orchardist as though the amount of the decorative work displayed on the carlot class tended to lessen the massive character of the exhibit. On the smaller exhibits such decorative efforts seemed to be more in harmony with the end desired.

Aroma From Great Display.

Not the least attractive element about an exposition of this character is the aroma of apples from an exhibit aggregating about

and more than the exhibit costs. The lesson borne in on an eastern man is to the effect that our Colorado, Washington, Idaho, and Oregon exhibitors devote more skill, care, time in packing their fruit in the most attractive form, with special reference to pleasing the eye of the public.

Another thing that is borne in on the orchardist from other districts is that under irrigation, the growers live on smaller tracts of land, their homes are nearer together, and they are in much closer touch with each other. Working together, there is a strong community of interest, and when they desire

(Continued on page 35)

Grape Roots That Grow Increase in Acreage and Varieties

We make a specialty of growing Grape Roots. Making strong grades and prompt shipments. We have heavy stock for Nurserymen's retail trade. Light stock and cuttings for nursery row. Write for special prices. Correspondence and inspection of stock invited. We are growing a large lot of Currants and Gooseberries.

FOSTER & GRIFFITH, Fredonia, N. Y.

WE OFFER

Carolina Poplar, California Privet,
Box Elder, Catalpa Speciosa,

All one year old. For further particulars and prices address
C. M. REDMOND, Southwestern Nursery Co.,
Gen'l Mgr. Okema, Oklahoma.

J. H. SKINNER & CO.

Fruit, Shade and Ornamental
Trees, Flowering Shrubs,
Apple and Pear Seedlings,
Forest Tree Seedlings

Sta. "A"
TOPEKA
KAN.

CHARLES DETRICHE, SR., ANGERS, - FRANCE,

Grower and Exporter of
Fruit Tree Stocks, Forest Tree Seedlings,
Rose Stocks, Shrubs, Vines and Con-
ifers for Nursery Planting

A New Price List for 1909-10 has just been prepared and copies or other information may be had on application to Mr. Detriche's sole representative for the United States and Canada:

JACKSON & PERKINS CO.
Newark, New York.



E. F. Stephens

thirteen carloads. These apples were from the fruit growing districts of Colorado, seventeen other states and also from British Columbia. Noticable among the entries were creditable exhibits from Nebraska and Iowa. The Iowa exhibitors were present with one hundred forty-six varieties. The fruit was shown from states as far east as Maryland and as far northwest as British Columbia.

A display of this kind, gathered from many regions and prepared by exhibitors of proven skill, illustrated in a very marked degree the very great difference made in the appearance of fruit by skilful selection and packing. A prominent orchardist from Michigan brought in a display of excellent fruit, but not being a trained exhibitor, his exhibit was not displayed in a manner to attract the attention to which the fruit was entitled by superior flavor and real quality. The display of fruit from another prominent central orchard state, while having a great many plates of individual merit and winning a fair proportion of premiums on single plates, yet was not displayed with the skill and care shown by some of the more experienced northwestern exhibitors.

Remarkable Packing

Some of the exhibits from western Colorado, from Wenatchee, Washington and from Oregon were selected, packed and displayed with consummate skill, each and every apple in the variety being of exactly the same size, color, shading and quality as every other apple. Work of this character requires a critical eye, painstaking care and a great deal of time. The results, however, return in public encouragement and approval all

FRUIT, NUT AND ORNAMENTAL TREES

of the very highest quality,
best adapted to

The Southern States

THE ARCADIA NURSERIES,
MONTICELLO, FLORIDA

Their Prices are Right and They Give You
PERFECT SERVICE

100 M. California Privet, extra heavy
plants, at bargain prices.

-- FINE --

Texas Umbrella

Genuine, with perfectly
formed tops

JOHN A. YOUNG

Greensboro Nurseries

Greensboro, N. C.

HEDGE

200,000 California Privet 200,000
250,000 Amoor River Privet 250,000

HEDGE

We also have 150,000 each in California and Amoor River in 6 to 15 inch for lining out. These are well rooted and will make fine No. 1 stock for delivery next fall.

Valdesian Nurseries, Bostic Dept.
Bostic, North Carolina

GRAVES PEACH

An Early Yellow Freestone

Ripening a week before Crawford's Early.
Trees from the originator have seal attached.
Prices free.

ORIGINATOR

W. J. GRAVES, Painesville, Ohio

Increasing Demand For First Class Nursery Stock

There appears to be an increasing demand among fruit growers for first-class fruit trees, according to the nurserymen. It is stated that the rapid increase in the attention devoted to fruit culture and the planting of numerous large tracts with trees is causing a heavier demand for first-class stock.

The calls for stock which come from Utah and portions of Colorado indicate that this industry will become even more important than at present, and the out-look for fruit in these states is regarded as unusually good.

Careful estimates compiled from reports on sales of trees made by various nursery companies are said to indicate that at least 2,500 acres of new orchard will be planted in Montrose county, Colorado, next spring.

Denver Apple Exposition

(Continued from page 34)

to accomplish an undertaking, to secure the desired result, unlimited time, effort and money is ready for the enterprise. Every man, woman and child on the western slope and in the orchard districts of the northwestern states thoroughly believes in his country and is a booster in the line of letting the public know what can be done in their own district. People who heartily believe in their work will make a more determined effort to secure success in their chosen line than people who are in a doubtful frame of mind.

Widespread Influence.

A national exposition of this character brings together a goodly representation of the leading horticulturists of the country. These gentlemen are at the service of the public in answering numberless questions and in giving it the benefit of their trained experience. Some of the brightest and most intelligent men in the business gathered at this meeting. Their influence can not fail to be of the utmost value to each and every inquiring person who attended the Exposition.

The eastern orchardist, accustomed to the growing of a great many varieties of fruit, is impressed by the very limited number of varieties grown by our true commercial orchardist. To illustrate, Mr. J. C. Wilson of Fruit, Colo., presented a solid carload of Black Ben Davis. He reported that he sold his crop of Black Ben at \$1.75 per box. Out of the same crop and orchard, his Jonathan sold at \$1.85 to \$1.93 per box, and his Grimes Golden \$1.69. This gentleman formerly lived at Unadilla, near Lincoln, Nebr. His tract comprises twenty-three acres, of which only eleven acres are in full bearing. He expects to net \$6,000 over and above expenses.

Mr. B. A. Smith, the gentleman in charge of the Grand Junction Association exhibit, stated that he would plant 480 acres of high mesa land to Jonathan and Rome Beauty the coming spring. Water for this high mesa land has to be supplied entirely by pumping from Grand River. This gentleman is one of the oldest and most experienced orchardists in this district and his selection illustrates the tendency of the more experienced orchardists to concentrate their efforts toward the production of fruit of the best quality in only two or three varieties. Few orchardists recommend more than three varieties and none more than six. Concentration of effort is the word.

Expense of the Exposition.

Pres. C. J. Root stated that the expense of getting the exhibits together was approximately \$17,000. The management gave \$12,000 in premiums, including \$5,000 in cash, other interests gave \$2,000 in land, \$1,000 in silver cups, \$1,600 in merchandise, \$1,000 in nursery stock. The attendance, counting the passes, was about 35,000. The Denver Chamber of Commerce will provide funds to meet the deficit.

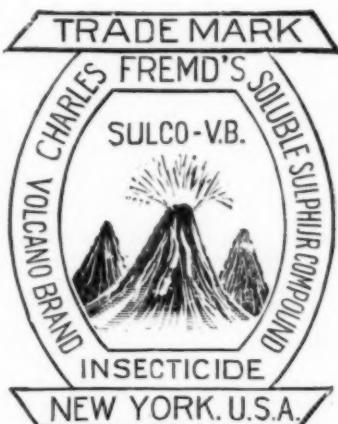
At the close of the exhibit, all but one of the carloads at the exposition were sold at auction. The Grand Junction car of Wine-sap, Rome Beauty and Jonathan received first premium and sold at \$2.60 per box to the H. B. Williamson Co. of Houston, Tex. The second premium car of Black Ben Davis grown by J. C. Wilson of Fruit, Colo., sold for \$1.80 per box, while other carlots were

sold at \$1.90, \$2.20, \$1.75 per box. Nine boxes of Delicious apples, grown by C. H. Coe, a resident of the Silt District, were sold at \$15 a box. E. A. Stevenson of the Antlers Silt Improvement Co. paid E. A. Fleming of the Antlers Silt District, \$52.50 for the champion box of Winter Banana. The intent of the purchaser being to send this particular box to President Taft as a special advertisement of the Colorado apple and the Denver exposition.

John Gibson, of Fruitvale, has 20 trees of Snow apples from which he has harvested 712 boxes of apples or more than 35 boxes to the tree. The apples sold at \$1.50 a box, and so the 20 trees this season will yield more than \$1050.

—WRITE FOR THE— Little Gospel OF COMMON SENSE

IT'S FREE



None genuine without this
Trade Mark

SULCO-V.B.

**It Destroys Scale and
other Insects, but
not the tree.**

Avoid a mass of reading matter. Send for this simple treatise and learn the whole story of Effective Spraying in a few minutes.

General Offices: 123-125 Ellwanger & Barry Bldg.,
Rochester, N. Y.

New York City Office, 24 Grove Street.

CHARLES FREMD, - - Proprietor



**RHODES DOUBLE CUT
PRUNING SHEAR**

Pat'd June 2, 1903.

RHODES

RHODES MFG. CO.,
GRAND RAPIDS, MICH.

THE only
pruner
made that cuts
from both sides of
the limb and does not
bruise the bark. Made in
all styles and sizes. We
pay Express charges
on all orders.
Write for
circular and
prices.

Nurseryman - Dealer - Seedsman SELLING

**Field Grown Roses, Shrubs, Iris
Phlox, Cannas,
Herbaceous Paeonies**

Our planting for the season 1909-1910 is the
greatest in our history. **Thirty Types of ROSES**
—Over Three Hundred Varieties.

We want your list of wants for the coming
season. We have **THE GOODS—Quality, Quantity, Variety**—and can make the **Prices**. Prompt
action to correspondence. The sooner—the better.

The United States Nursery Co.
RICH, Coahoma County, MISS.

36th YEAR

PAN HANDLE NURSERIES

SPRING OF 1910

We offer a Complete Line of Nursery
Stock Consisting of

Apple, Pear, Plum, Cherry, Peach,
Grape, Currant, Gooseberry,
Small Fruits, Maple Norway,
Maple Schwedlerii, Maple Silver,
Poplar Carolina, Poplar Volga,
Elm American, Sycamore Oriental,
Sycamore American, Mountain Ash,
Box Alder, Althea, Hydrangea,
Barberries, Syringas, Weigolias,
Clematis, Honey Suckle, Wistaria,
Ampelopsis, Roses, Evergreens,
California Privet, Buxus, Weeping Trees,
Catalpa Speciosa Seedlings,
Black Locust Seedlings, Fruit Tree Stocks,
Catalpa Speciosa Seed

Our stock is well grown and graded and
prices are such that it will pay you
to investigate. Come and
see us or write.

J. K. HENBY & SON
Greenfield, Ind.

Eliminating Fruit Growers Worst Enemy

How Six Degrees of Frost Can Be Overcome in Late Spring in Orchards—Eighty Oil Pots Per Acre Sufficient--Cost \$28--Saving Amounts to \$200

By F. P. Spencer, Randolph, Ia.

I WILL undertake to give herewith some disastrous experiences by reason of late Spring frosts. Two years ago my orchard blossomed very full and crop was almost entirely lost by reason of two frosts. One year ago my trees were again loaded with bloom and the crop wiped out by one frost. But the season just past, with no better bloom, I harvested about 15,000 bushels of the best apples I ever grew. Such severe losses induced me to look around and see what was being done, or might be done, to eliminate the worst enemy of the fruit grower.

Articles in different journals devoted to horticultural interests were to be seen occasionally and I herewith submit some of them as they are from practical men who have tried some of the various methods.

What Others Say

Mr. M. E. Olsen, of the Olsen Royce company of North Yakima, Washington, says in a recent letter, written after their late freeze:

"If we could not replace the heaters, would not part with ours at any price; will have the largest crop in the history of our orchard."

Ex-Governor H. J. Hagerman, vice-president of the South Spring Ranch and Cattle company, Roswell, New Mexico, in a recent article writes:

"The heating was thoroughly effective. We will have a full crop where the heaters were used, the only full crop in the Pecos Valley." And says further, "that while it would cost us quite a little to have equipped our entire 300 acres, am convinced that it would have added from \$75,000 to \$80,000 to our fruit crop."

These replies from practical men were written in answer to questions put out by P. H. Troutman, patentee of an orchard heater bearing his name and I could, if desired, quote more extensively from others who have tried this plan with great success. An oft quoted saying is that "good things come high." To a moderate degree that saying is applicable to orchard heaters. But if they will do what is claimed for them, the cost is insignificant when compared with results.

Sufficient to Save Any Crop

Experience has demonstrated that 80 pots to the acre will generate sufficient heat to successfully drive away six degrees of frost. That would be ample to have saved any crop since I have been in the business.

Figuring on that basis let us see about the cost.

80 pots at 20c.....	\$16 00
Crude oil, sufficient for two nights	
200 gallons, at 3c.....	6 00
Tankage and distribution, say.....	6 00

Total\$28 00

Then you have the pots and tanks left, they being good for at least ten years, but assuming they are destroyed in one season, you have the difference (in my case) of not less than \$200 per acre, as between a crop and a failure. In other words, my crop this year, without frost damage, yielded me a gross profit of about \$250 per acre, while last year, with just as full a bloom, and equally good markets, I got about \$25 per acre. I cannot afford to take such desperate chances when reasonable insurance is within my reach, and have placed orders for enough pots to equip my entire orchard.

Cost of Fuel Is Small

As stated in the beginning of this article, this subject was not of my own choosing and I should have some little delicacy about volunteering the article as I am interested in the sale of one of the pots used for the purpose, but at the secretary's suggestion I gladly took the matter up. The oil used in Colorado is what is called "fuel oil" and the Standard Oil company offer to deliver it to me at Randolph in tank cars for \$2.65 per hundred gallons. Once equipped with proper tankage, the cost of fuel would prove a small matter.

There are other claims made as to the effect of the smoke on insect pests etc; but am inclined to believe they are more or less problematical, yet a reasonably safe and sure prevention from frost should be enough to satisfy the ordinary man.

I firmly believe I have suffered a greater total loss to my apple crop through frosts than from the combined damages inflicted by bugs, worms, moths and other insects, and predict that if orchard heating proves to accomplish what is claimed for it, it will soon be as common as spraying.

Third National Apple Show

The Third National Apple show, scheduled to be held in Spokane again next year, is about to precipitate a battle royal between local real estate dealers interested in irrigated lands and the "boosters" of Spokane.

On the first announcement that the Third National Apple show would be held in Spokane, antagonism to the plan made itself felt, and John S. Malloy has come forward with statements showing "why" the Third National Apple show should be given to

either Minneapolis or Chicago. Mr. Malloy, a local dealer in irrigated apple tracts in the northwest, makes statements and assertions which probably will result in a lively controversy.

"Apple King of the World"

The sweepstakes prize of \$1,000 for the finest exhibit of a full carload of apples at the Spokane National Apple show was awarded to Transon & Guthrie of Eagle Point, Ore., for a display of Spitzenbergs. The award carries with it a gold medal banner and the title of "Apple King of the World."

The prize for the "largest perfect apple" was awarded to Lorr & Ball of Methow, Wash., for a Wolf river apple weighing 25 ounces and measuring 16 5-8 inches in circumference.

A "Spokane Beauty" apple weighing 41 ounces and measuring 18 5-8 inches in circumference was expected to be the winner, but proved to have a blemish.

Advertising Virginia

Walter Whately, secretary of the Virginia Horticultural Society, which has 543 members, says:

"The society's policy of advertising the state has shown most remarkable results. Arrangements have been made to send as much as possible of the exhibit now being made in Winchester to Atlanta, with the view of opening up a demand in the South for Virginia apples. The literature distributed in other states has attracted much attention to Virginia. During a visit to the Department of Agriculture at Washington recently I was informed by a department official, who travels through a number of states, that our illustrated 'apple card' had attracted more attention to Virginia than anything we have yet done. This is evidenced also by the enormous increase of letters of inquiry that I have received from all parts of the country and Canada."

The Delaware Apple Company, with Governor Simeon S. Pennell as president, has been incorporated in Dover, Del. The capitalization is \$500,000. The company will plant 2500 acres of land, in Sussex County, in apple trees.

In addition to the Governor the directors are: Senator Henry A. du Pont, Dr. Joshua A. Ellegood and ex-Judge David T. Marvel, Wilmington; H. Ridgely Harrington, Colonel William D. Denney and James Lord, Dover.



ST. REGIS EVERBEARING

The "Early 'till Late" Raspberry

The most marvelous Raspberry of the age.

The earliest to ripen. The biggest, the best and the brightest red berries of all raspberries. The greatest yielder and the canes are as hardy as an oak tree.

Begins to ripen early in June and continues constantly until late Autumn.

Full particulars and attractive prices to the trade promptly given by mail.

J. T. LOVETT
Little Silver, N. J.

American Nursery Co.--New York City

Correction of Article In January Issue of This Magazine, Based Upon Later and More Complete Information

INFORMATION that has come to hand since the publication in the January issue of AMERICAN FRUITS of the article relating to the F. W. Kelsey Nursery Company indicates that a wrong opinion is likely to be obtained from this article with regard to the status of the American Nursery Company.

From this information it appears that on or about the 7th day of February, 1908, Frederick W. Kelsey, the person referred to in the January article, sold, assigned, transferred and set over to the American Nursery Company, for a generous consideration then paid to him, all of his right, title and interest in and to the said business established by him in 1875. The articles of agreement, referring to said sale, so far as said articles described the said business of Mr. Kelsey then sold to the American Nursery Company, read as follows, "the party of the first part" referred to therein being the said Frederick W. Kelsey, and the "Company" referred to therein being the American Nursery Company:

"Article I. The party of the first part shall sell and the Company shall purchase the above described business of the party of the first part together with the good will thereof, and the lease of the premises where such business is carried on, together with all moneys, bills, notes and negotiable instruments and securities for money, book and other debts and choses in action, and all contracts and agreements to which the said party of the first part is entitled in relation to the said business; all books of account, papers and documents relating to such business, all merchandise, Nursery stock, stock in trade, supplies, office furniture and fixtures, and all other personal prop-

erty and effects of every nature and description owned and used by the said party of the first part in relation to the said business and wheresoever situated; saving and excepting the accounts and bills receivable of the said party of the first part in relation to said business, as shown on the books of said party of the first part on the 31st day of December, and moneys in hand or in bank on that day of December, 1907."

Upon the formation of the American Nursery Company on or about the said 7th day of February, 1908, said business so obtained from Mr. Kelsey was constituted the New York City Sales Department of the Company with Mr. Kelsey as its manager, and he remained as such manager until December 18th, 1909, when other stockholders of the company saw fit to purchase the stock which

from Mr. Kelsey into other hands, the Company retaining to the fullest extent the business, established by Mr. Kelsey in 1875, which it had purchased from him for a most liberal consideration in February, 1908."

Conditions In Kansas

Fruit growing, especially commercial orcharding, has received a serious setback in Kansas on account of successive crop failures in the last three or four years, according to reports filed with the State Horticultural Society recently by the eight district trustees. Still the horticulturists are optimistic and predict that Kansas yet will become one of the big fruit states of the West.

"One big apple crop will do wonders towards increasing interest in commercial orcharding," said Secretary Wellhouse of the state society. "A series of fruit crop failures discourage farmers just the same as a series of wheat crop failures. One big wheat crop encourages the farmers to increase their acreage. The same with fruit."

Busy At Bostic

The Valdesian Nurseries, Bostic, N. C., report good business. Orders have been coming in lively notwithstanding cold weather. The manager says: "We will do the best spring business ever and will about double our plantings this spring in our specialties, besides the addition of much new stock in different items."

Tennessee Nurserymen's Association

J. C. Hale, Winchester, Tenn., presided at the annual meeting of the State Nurserymen's Association of Tennessee, held at Nashville, January 27th. Among those on the programmes were: R. A. Wilkes, Culeoka; I. C. Murphy, Columbia; Aubrey Frink, Winchester; A. I. Smith, Knoxville; J. N. Miller, Winchester; W. W. Twitty, Blanche; T. W. Sowell, Columbia; J. H. Austin, Antioch; J. D. Ellis, Dayton; R. O. Lamar, Pulaski; A. A. Newson, Knoxville; W. A. Easterly, Cleveland; A. J. Byrns, Sylvia; E. N. Chattin, Winchester; G. M. Bentley, Knoxville; James Webb, Smithville; Otto Henniger, Memphis; Charles Pennington, Rutherford.

Kansas City Nurseries

GEO. H. JOHNSTON, Prop.

Successor to Blair & Kaufman

Reliance Building, Kansas City, Mo.

Offer for Fall 1909 and Spring 1910 large stock of Carolina Poplars, Catalpa Seedlings, Cal. Privet, Concord Grapes, Currants, Asparagus, and a full line of Ornamental Shrubs, Paeonies, etc.

For Spring of 1910

We have our usual supply of Nursery Stock.

We still have a few hundred

Scions to offer.

John A. Cannedy N. & O. Co.,

Carrollton, Ill.

CATALPA SPECIOSA SEEDLINGS

BLACK LOCUST SEEDLINGS

In large or small lots. Our Catalpa are all grown from seeds of our own gathering and we believe we have the best seed sown that can be procured, and you can depend on the true northern hardy kind.

J. A. GAGE,

Fairbury, Neb.

The Monroe Nursery I. E. Ilgenfritz' Sons Co. MONROE, MICH.



Over
Sixty Years
in the
Business

Offer a
General
Line of

CHOICE NURSERY STOCK

Plum, Cherry, Etc.
Peach, Std. Pear,

Correspondence Solicited

I. E. ILGENFRITZ' SONS CO.
MONROE, MICH.

Manufacturers of the Celebrated Ilgenfritz
Graft and Stock Planter
and Firmer.



William Flemer

Vice-president and Treasurer
American Nursery Co.

Mr. Kelsey held in the Company, all but five shares of which he had obtained for the transfer of his said business in February, 1908, and with such purchase the management of said New York City Sales Branch of the Company passed from Mr. Kelsey into other hands, and thereby all connection of Mr. Kelsey with the Company was eliminated, he having resigned from the presidency as far back as July, 1909.

A representative of the American Nursery Company said:

"By an extraordinary act of generosity on the part of the Company, Mr. Kelsey, although bound by an agreement made at the time he sold his business to the Company which would have prevented him from engaging directly or indirectly in the Nursery business for ten years from said February 7th, 1908, was released, upon the sale of this stock in December, 1909, from said agreement upon the representation that it was necessary to his livelihood that said agreement should be abrogated to the extent of permitting him to resume business on his own account, and the Company, which desired to remove its New York City Sales Department to more commodious quarters in the Singer Building at 149 Broadway, New York, where such Sales Department is now located, even went the length of permitting Mr. Kelsey to remain in possession of the old offices at 150 Broadway, after removing therefrom everything pertaining to said Sales Department.

"As will be seen from the foregoing the transaction merely amounted to a sale of Mr. Kelsey's stock in the Company, the only change otherwise being in the management of said Sales Department, which passed

Said To Be Record Shipment of Nursery Trees

When ten solid carloads of Satsuma orange trees rolled into Alvin on January 7th, fresh from Japan, for distribution among the orchards of South Texas, the largest single shipment of fruit trees of which there is any known record had been successfully made, says the Galveston, Texas, News. Parties who came up from Alvin on Saturday state that the trees are in perfect condition, owing to the care that was taken in packing them several weeks ago away back in the land of the mikado.

Fourteen cars of young Satsuma trees left Kobe aboard a fast passing liner for Seattle, bound for Alvin, Tex., but four cars of the shipment became separated from the other ten enroute, and have not shown up at their destination. Ten cars were sufficient to break the record, however, and were more than sufficient to keep the force of laborers at Alvin busy unloading and setting them out previous to distribution. The trees were shipped in bond to Alvin, and

were thoroughly fumigated in Japan, again at Seattle, where they passed through a cleansing process, and a government fumigation expert is on hand at Alvin to see that the health of the orchards is not jeopardized by the importation of foreign trees and possibly foreign plant diseases. It is said that there is very little likelihood of foreign pests and diseases being discovered among the Texas orchards, however, as the regulations and inspections of orchards maintained by foreign governments, and particularly Japan, are said to be very rigid.

The trees were packed in a peculiar Japanese moss, which seems to hold moisture well but prevents the roots around which it is wrapped from becoming sour and rotting. Apparently every tree is in perfect condition, despite the long voyage and land journey from the Pacific Coast to Texas.

Where Trees Should Go

An English syndicate is understood to be investing largely in Niagara, Ontario, fruit lands. Already some two thousand acres have been secured in the neighborhood of Niagara-on-the-Lake, Queenston and St. Catharines. The farms taken over vary in size from eighty to three hundred acres. It is said to be the intention to break them up into ten, fifteen and twenty-acre lots, with a view to their sale to parties who will cultivate them upon the intensive farming basis, which has been so successfully adopted in the Grimsby district, in California and in Europe. Land in the Grimsby belt has advanced to \$1,000, \$1,200 and \$1,300 an acre, and the prediction is made that the boom will spread eastward till it strikes the Niagara River. A Queenston fruit-grower this year took \$2,000 profit from a seven-year-old orchard of two and a half acres.

The Pre-Cooling Car

The pre-cooling car is what its name signifies. It cools the fruit before it is placed in the regular refrigerator car for shipment.

At a cost of \$8,000 Uncle Sam has had this demonstration car constructed. It contains its own refrigerating plant. The fruit is placed in this pre-cooling car, where the temperature is driven down to almost freezing and when the fruit is thoroughly chilled it is placed in the already iced refrigerator cars and shipped. By having the fruit cooled before it is placed in the refrigerator car no extra icing is necessary and the fruit is found to be in perfect condition at the end of the journey, the same as its beginning.

Eastern Growers Awakening

Apple growers in Ohio and Michigan, becoming frightened by the inroads being made on their business by the apples from Colorado, Arizona, California and the Pacific Northwest, will, according to Ohio apple men, start an agitation this winter for the improvement of the quality of their crop. It is said that the entire secret of the quality of the Western apples lies in the care taken by the growers, who spray their trees frequently and watch for the San Jose scale and other pests. During the last season

some of the growers in Ohio and Michigan adopted the Western methods and found that their fruit would come in any of the markets with that from the Pacific states. Fruit from Ohio or Michigan, when properly cared for, excels in flavor that from any of the Western states.

Rockefeller Buys Trees

A dispatch from Amsterdam says John D. Rockefeller has purchased 35,000 pine trees, costing over \$20,000 from nurserymen of Gouda, a town of the Netherlands, in South Holland. Mr. Rockefeller intends to plant these trees in a park.

Frederick W. Kelsey of 17 Center street, Orange, N. J., has written a letter to President Taft, deploring the conservation controversy, and suggesting that the forestry department, without Gifford Pinchot, is as the play of "Hamlet" with the principal actor eliminated.

Nurseries---F. DELAUNAY

ANGERS, - - - FRANCE

SPECIALTIES

Fruit tree stocks as:

**Apple, Angers Quince,
Mazzard Cherry Mahaleb
Myrobalan, Pears,**

Etc., Etc.

Forest trees seedling and transplanted:

**Evergreens, Ornamental Shrubs, Manetti,
Multiflora Roses.**

My General Catalogue will be sent free on application.

P. SEBIRE & SON

Nurserymen, Ussy, Calvados, France

Offer a general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobalan, Plum, Mahaleb and Mazzard Cherry, Angers Quince, Small Evergreens, Forest Trees, Ornamental Shrubs, Roses, Etc. The largest stock in the country. Prices very low. Grading and packing the very best. Send for quotations before placing your orders. Catalogue free.

C. C. ABEL & CO.

Agents for United States and Canada

110-116 Broad Street,

New York

For Sale !

Cow Peas, Soy Beans, N. C. Natural
Peach Seed, Rhododendron Roots, etc.

Hickory Seed Co.,

Hickory, N. C.



W. B. Cole, Painesville, Ohio.

Never had a better growing season or better stock of strong 3-4 inch and up:

**Bartlett Standard Pears
Duchess Dwarf Pears
Lombard Plums
Sweet and Sour Cherries**

ALSO

California Privet and Roses. Sugar Maple, 6 to 8 and 8 to 10 feet.

This is not all. Write for Trade List.

Apple Trees

We have 50,000 fine two-year old Trees. All straight, healthy, and well rooted. We have no San Jose Scale in or near nursery. Forty varieties.

Write us before buying elsewhere.

Mitchell's Nursery,

Beverly, Ohio



Nursery P uner No. N.

Steel Pruning Shears, California pattern, post paid \$1.00. **MAHER & GROSH CO. 92 A. STREET, TOLEDO, OHIO**

Cut is exact size. Blade is hand forged and warranted. No shoddy here. Sample by mail 50c. Grafting Knife by mail, 25c. Nursery Budding Knives, 25c. Pocket Budding Knife 35c. All for a much inferior knife Send for 12-page SPECIAL NU RY CATALOGUE

Advance Man of the City Beautiful

C. C. Mayhew, manager of the North Texas Nursery Company, which company has headquarters in Sherman, spent several days in Houston looking over the available lands that could be devoted to citrus gardening. He also is credited with the intention of establishing a branch of his company, one of the largest in the state, in Houston. But upon this subject Mr. Mayhew would not talk, preferring to leave that matter alone until some other details could be disposed of. As to the nursery prospects in South Texas, he said:

"There is only one trouble that the nurserymen in Houston are up against, and that is the ability to raise enough stock to supply the demand. The business is paying here, and there is a splendid and ever increasing field here. Houston and the adjacent territory is developing rapidly and will more than keep pace with the increase in the nursery business. More nurseries would be but little competition, as the field is great."

When asked as to the character of fruits raised here and if he thought peaches and pears a profitable crop he shook his head.

"Not when your climate demands that the major part of your attention be given to the growing of citrus fruits. The opportunities for South Texas for oranges, lemons and figs are the greatest in the world. Irrigation is going to do wonders with the State and there will be some wonderful orchards here very shortly."

Mr. Mayhew was there primarily to look after some ornamentations for San Jacinto park in which he is figuring and took opportunity to mention the chances for the ornamental plant business.

"Houston and, in fact, all of South Texas will wake up some day to the necessity of beautifying the city, and then the nursery will play the big part. The nurserymen is really, if he be industrious and proper spirited, the advance man of the city beautiful. We devote a great deal of our space to ornamental shrubbery and plants. Houston is the field of all fields for it."

"As to Houston itself, it is destined to be

one of the biggest cities in the South. There is nothing in the world to hinder it except its own volition. With your railroads, your ship channel which makes you a seaport, and with all the natural resources of the surrounding country.

Apples Yielding Fortunes

Western Michigan nursery men report an unprecedented sale of young apple trees and indications point to the fact that the immediate future will witness a large and steady development of commercial apple-raising in the famous fruit-belt, extending through several counties. Fennville orchards this year netted their owners nearly \$300,000 and produced a crop of apples variously estimated from 75,000 to 100,000 barrels. Most of the crop which formerly sold for a song are now yielding their owners in many instances \$500 per acre and upwards. One orchard of 80 acres in Allegan County was recently sold for \$20,000 and the purchaser expects to double his money within the next five years.

Careful estimates compiled from reports on sales of trees made by various nursery companies indicate that at least 2,500 acres of new orchard will be planted in Montrose county, Colorado, next spring. One local nursery firm has sold sufficient apple trees alone to plant 1,400 acres, counting seventy to the acre.

"Five cents each"—the sign attached to a box of apples—red-cheeked Jonathans—made a sensation when it first appeared. Yet all last winter the housekeepers of Chicago and other eastern cities took, as fast as their dealers could secure them, trainload after trainload of far western fruit at \$3.50 to \$4 a box—more than \$10 a barrel.

After denning thousands of acres of mountain lands in Virginia and West Virginia in its search for tanbark, the Dedford Tanning Company, of Luray, Va., with headquarters in Baltimore will begin planting these tracts of land in fruit trees, chiefly apples of improved varieties.

APPLE SEEDLINGS

We have some surplus, both American and French grown.
All grades for grafting and budding.

Imported Fruit Tree Stocks

Now arriving—Cherry,
Pear and Plum Stocks
ALL GRADES

Piece and Whole Roots— **APPLE GRAFTS** —ORDER QUICKLY

Also a complete line of General Nursery Stock; mostly in storage

SEND LIST FOR PRICES

WANTED—APPLE SCIONS

Shenandoah Nurseries

D. S. LAKE, Prop.

SHENANDOAH, IOWA

Half-Tone Engravings *For Nursery Catalogues*

Finest quality at lowest rates. Highest grade Copper Engravings sent to any address a few days after receipt of photographs with order
WE ARE FILLING NURSERYMEN'S ORDERS DAILY

AMERICAN FRUITS PUBLISHING CO.

ROCHESTER, N. Y.

—THE— Xenia Star Nurseries

XENIA, OHIO

WHOLESALE GROWERS OF

APPLE PLUM
PEAR PEACH
CHERRY QUINCE

SEED POTATOES

Carload Lots a Specialty

Raspberry, Blackberry
and Strawberry **Plants**

We have a complete assortment.
Will be glad to figure on your
want-lists for Spring 1910

Personal Inspection Cordially Invited.

Xenia Star Nurseries

XENIA, OHIO

500 Acres

"Ruby" Red Raspberries

The Leader of the Hudson Valley

We have a Large Stock of Healthy Plants, both Suckers
and Transplants. Prices on application.

TERPENNING & HERRING, Ulster Park,
N. Y.

WANTED -- GRAFTERS

Permanent work to experienced men
who are skillful budders, for grafting
at our plants at

Danville, N. Y., Rolla, Mo., Farmington, Ark., and Louisiana, Mo. Address nearest office.

Stark Bro's Nurseries and Orchards Co.

FOR SALE: Carolina Poplar, American Arbor Vitae, California Privet, 2 to 3 feet, well branched, very fine; and 5000 1 year Apple, well rooted and clean

R. R. HARRIS,
Harrisville, W. Va.

GLADIOLUS, LILIES,

Delphinium formosum,

German and Japan Iris, Summer
Flowering Bulbs

E. S. MILLER, Wading River, L. I., N. Y.

American Fruits Monthly Guide for Nurserymen

CARDS like the ones printed on this page will cost Five Dollars a year, half to be paid upon the first insertion and half at the end of six months. Advertisers whose bills amount to forty dollars or more a year may have card without additional charge. Advertisers and others who wish cards must prepare copy for the same, space not to exceed one-half inch. As an inducement for sending in correct information for the next pocket directory a card will be printed on this page one time without charge. Corrections received after 10th of the month will be noted in the following issue.

ALABAMA.
CHASE NURSERY CO., HUNTSVILLE—Wholesale growers. STRICTLY WHOLESALE.

COLORADO
NORTHERN NURSERY CO., C. G. FERGUSON, PREST., A. M. FERGUSON, SECY. AND TREAS., DENVER, COLO.—Growers of general nursery stock.

GEORGIA
P. J. BERCKMANS COMPANY, FRUITLAND NURSERIES, AUGUSTA GO.—General nursery stock. Large variety of both fruit and ornamental. Established 1856.

ILLINOIS.
ARTHUR BRYANT & SON, PRINCETON—Grower of nursery stock. Grows standard fruit trees, small fruits, strawberry plants, ornamentals and shade trees. Employs agents. Issues catalogues. Evergreens, ornamental trees and shrubs and peonies are specialties.

INDIANA.
C. M. HOBBS & SONS, BRIDGEPORT—We are headquarters for apple and other stock, both fruit and ornamental. Catalogue. CATALPA SPECIOSA PURE.

W. C. REED, VINCENNES—Cherry trees, one and two year. General line of other stock.

J. K. HENBY & SON, GREENFIELD—We offer a complete assortment of General Nursery stock; expect to have over three million Catalpa Speciosa pure.

IOWA.
DAVENPORT NURSERY CO., DAVENPORT—Growers and dealers. Standard fruit trees, dwarf fruit trees, small fruits, strawberry plants, ornamentals and shade trees. Employ agents. Issue catalogues.

KANSAS.
THE WINFIELD NURSERY CO., WINFIELD—Growers and dealers. Standard fruit trees, dwarf fruit trees, small fruits, ornamentals, shade trees. Issue catalogues. F. H. STANNARD, OTTAWA, KAN.—Growers and dealers in a choice line of fruit and ornamental stock. Apple and forest tree seedlings a specialty. Catalpa Speciosa seedlings.

Watch our list printed each month in American Fruits.
J. W. JONES & SON, ALLEN, MD.—Growers of Strawberry Plants. Catalogue mailed free.

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I. E. ILGENFRITZ'S SONS CO., MONROE—Growers and dealers. Standard fruit trees, dwarf fruit trees, small fruits, ornamentals, shade trees. Employ agents, issue catalogues.

MUTUAL NURSERIES, CHARLES A. ILGENFRITZ, MONROE, MICH.—Growers of high grade nursery stock. One mile south of city, on electric line.

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THE JEWELL NURSERY CO., LAKE CITY—Established in 1868. 1,200 acres, all at Lake City. Wholesale and retail. Largest growers of hardy stock in the United States.

NEBRASKA.
MARSHALL BROTHERS, ARLINGTON, NEB.—Growers and propagators of a complete line of nursery stock. Also Fruit Farm. Issue catalogues and price.

FREMONT NURSERIES, B. E. FIELDS & SON, PROPRIETORS, FREMONT, NEB.—Growers and dealers in all kinds of fruit, ornamental and shade trees. Grape vines, small fruits, roses, shrubbery and all kinds of forest tree seedlings. Lowest prices consistent with quality.

MARSHALL BROTHERS, ARLINGTON, NEB.—Growers and propagators of a complete line of nursery stock. Also Fruit Farm.

NEW YORK.
C. L. VAN INWAGEN, NEWARK, N. Y.—Grower and Dealer in Nursery Stock; Black Diamond, Ohio and Columbian Tips, Dahlia and Gladiola Bulbs, German Iris, Phlox, Peonies and Strawberry Plants.

THE VAN DUSEN NURSERIES, W. L. MCKAY, PROPRIETOR, GENEVA—Grower of fruit trees, small fruits, ornamental stock. PEACH TREES, constant renewal of buds from tested bearing trees. Issues catalogue.

W. & T. SMITH CO., GENEVA—Highest grade stock of fruit and ornamental trees.

shrubs, roses, evergreens, vines, etc. Catalogs. LOWEST PRICES CONSISTENT WITH QUALITY.

ELLWANGER & BARRY, ROCHESTER—Fruit and ornamental trees, shrubs, evergreens, roses, hardy plants. Catalog on request. LARGEST AND MOST VARIED COLLECTIONS IN AMERICA.

JACKSON & PERKINS COMPANY, NEWARK—Ornamentals, roses, clematis, tree hydrangeas, perennials, etc. Agents for foreign houses selling French fruit tree seedlings, Belgian Azaleas, exotic plants, etc. WHOLESALE ONLY.

GEORGE E. DICKINSON, 1 Broadway, NEW YORK CITY—Dealer in nursery stock. Importers of nursery stock and ornamentals. Agent in U. S. for E. T. DICKINSON, Chatenay, Seine, France.

OHIO.
STORRS & HARRISON CO., PAINESVILLE—Growers of everything that makes a complete nursery. Issues catalogues and price lists. Wholesale and retail. Specialists in whatever we propagate.

THE L. GREEN & SON CO., PERRY, LAKE COUNTY—A general line of all kinds of nursery stock.

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ALGOA FRUIT & NURSERY CO., ALGOA, TEXAS—Southern Specialists in oranges and other citrus fruits, Magnolia Figs, Magnolia Grandiflora, Jasmine, Arbor Vitae and hardy ornamentals. Wholesale and retail.

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DAVIS COUNTY NURSERIES, HARNES, DIX & CO., PROPRIETORS, ROY, UTAH—Growers and dealers in a general line of nursery stock.

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THE COE CONVERSE & EDWARDS CO., FORT ATKINSON, WIS.—Growers of Choice, hardy nursery stock. Established 1876. Incorporated 1902.

Clinton Falls Nursery Company

Nurserymen—Florists—Seedmen OWATONNA, MINNESOTA.

WE OFFER FOR SPRING OF 1910

Apple—11-16 and up, 5-8 1/2 11-16, 1-2 to 5-8 and 3 to 4 feet whips in the following varieties: Wealthy, Anisim, Peerless, Duchess, Hibernia, Patten's Greening, Whitney, No. 20, Dart's Hybrid, Minnesota, McMahon's White, Iowa Beauty.

Evergreens—Twice transplanted, in sizes of 12 to 18 inches, 18 to 24 inches, 2 to 3 feet and 3 to 4 feet in the following varieties: Norway Spruce, White Spruce, Colorado Blue Spruce, Scotch Pine, Austrian Pine, Jack Pine, Dwarf Mountain, Pine and American Arbor Vitae.

Laurel Leaf and Golden Willow—2 to 3, 3 to 4 and 4 to 5 ft. sizes.

Shrubs—A large quantity of 2 to 3 and 3 to 4 ft. in Spiraea Van Houttei, White Lilac, Common Snowball 2 to 3, 3 to 4 and 4 to 5 ft. Tartarian Honeysuckle, Buckthorn, Viburnum Lantana Snowball, and the leading varieties of Phlox and Paeonies. Spiraea Van Houttei, in large quantity, 4 to 5 ft. size and 12 to 18 inch. Barberry Thunbergii, Purple Leaf Barberry, Spiraea Thunbergii, Spiraea Multiflora Augusta.

King and Miller's Red Raspberry, Currants and Gooseberries, 2-year No. 1; the leading varieties in Strawberry plants, Soft Maple Seedlings, Box Elder Seedlings Black Walnut Seedlings. small quantity of Apple Seedlings.

We are also Headquarters for Field and Garden Seeds including the leading Varieties of Potatoes and Seed Corn.

Apple Seedlings Scions and Grafts

Grafts Made to Order, any Style

Forest Seedlings and Grape Vines

A General Assortment of

NURSERY STOCK

F. H. STANNARD & CO.,

OTTAWA STAR NURSERIES.

OTTAWA, KANSAS

EVERGREENS

Large Stock Both Seedlings and Transplants of

SPRUCE
PINES
FIRS
CEDARS

ARBOR VITAE
HEMLOCKS
JUNIPERS
YEWS

FOREST TREE SEEDLINGS

Immense Stock of Seedlings, as follows:

CATALPA SPECIOSA
BLACK LOCUST
MAPLES
OAKS
LINDENS
BEECH
CHESTNUT
ASH

HICKORY
WALNUT
ELM
BOX ELDER
BIRCH
EUROP. LARCH
WILD BLACK CHERRY

SPRING 1910 CATALOG NOW READY

SEND FOR COPY

D. HILL

EVERGREEN SPECIALIST

DUNDEE,

ILLINOIS

Heikes-Huntsville-Trees

HUNTSVILLE WHOLESALE NURSERIES



Huntsville, Ala.

For the Spring of 1910
We Offer

Pears, Plums, Cherries, Peaches,
Roses, Pecans, Japanese Persim-
mons and Magnolia Grandifolia

In Large Quantities as Usual

See Our Price List for Particulars.

Address, **W. F. HEIKES, Mgr., Huntsville, Ala.**

Vincennes Nurseries

W. C. REED, Prop.

VINCENNES, IND.

Offer for Spring 1910

CHERRY TREES

Two Year in Car Lots

CHERRY TREES

One Year in Car Lots

These are EXTRA FINE.

ALSO GENERAL LINE OF OTHER NURSERY STOCK

Osage Hedge and Seedlings BY THE MILLIONS

SPECIOSA CATALPA	} Selected Seed Guaranteed pure Our specialty for past ten years. In carload lots. Very fine. Our Wellington plant devoted almost exclusively to forest tree seedlings.
BLACK LOCUST	
RUSSIAN MULBERRY	
HONEY LOCUST	
OSAGE HEDGE	

FANCY SHADE TREES

Shade trees in carload lots of Ash, Box Elder, Black Locust,
Catalpa Speciosa, American White Elm, Soft or Silver Maple.

The WINFIELD NURSERY CO., Inc.

Park Street, WINFIELD, KANS.

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French Nursery Stocks

Fruit Tree Seedlings and Ornamentals

Pear, Apple, Plum and Cherry and Angers Quince
Cuttings grown for the American trade. Pear and
Crab Apple Seeds. Most complete assortment of
Ornamental Stocks, Trees and Shrubs. Dutch
bulbs—Gladioli. Orders solicited and booked now
at low rates.

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YOUNGERS & CO., GENEVA, NEB.

APPLE TREES,

Shade and Ornamental Trees,

Russian Golden Willow

SEEDLINGS

Catalpa Speciosa, Honey Locust, Osage Orange

Flowering Shrubs and Evergreens

Write for Prices.

THE L. Green & Son Co.

Perry, Lake Co., Ohio

Specialties for Spring 1910

Fine line of 2-yr. Std. Pear 1-2 to 5-8 in. and 5-8 to 3-4 in.;
strong on Bartlett's. Also Cherry, all grades. 2-yr. Concord
Grapes.

Catalpa Speciosa 8-10 ft.; American Elm 8-10 and 10-12 ft.
Horse Chestnut, 5-6 ft.; Magnolia Accuminata; Norway
Maple; Silver Maple; Car. Poplars under 1 - 1-2 in.

A good assortment of shrubs and a nice collection of orna-
mentals.

Let us figure on your wants before placing your orders

Franklin Davis Nursery Co. Baltimore, Md.

We offer for Spring 1910

Apple, 1 and 2 year, leading varieties. Pear, Standard, Kieffer, Blight
Proof, Koonce, Garber, etc. Peach 1 year, standard varieties. Peach 2
year, June buds. Cherry, 1 and 2 year on Mahaleb. Asparagus, best
leading kinds, 1 and 2 year. Privet, California, 1 and 2 year, fine. Privet,
Ibota, 1 and 2 year. Strawberry Plants, best varieties. Grape Vines, 1 and
2 year, heavy on one year Concord. White Birch, 10-12 ft. fine. Silver
Maple, 10-12 ft., 8-10 ft., 7-8 ft. Sugar Maple, 8-9 ft., 7-8 ft. Norway Maple, 7-8
ft., 6-7 ft. Poplars, Lombardy and Carolina, 1, 2 and 3 years. Catalpa Speciosa,
8-6 ft., fine. Weeping Willow, 8-9 ft., fine. Oriental Planes, 8-9 ft., fine.

We have a fine lot of Extra Heavy Shrubs, such as Hydrangea P. G.,
Weigela, assorted; Altheas, assorted; Judas Trees, Spiraea, assorted; Eulalia,
Snowballs, Lilacs, Strawberry Tree.

In large shade trees we have Sugar Maples, Elms, Box Elder, Catalpas,
Evergreens, Roses, etc.

Would accept orders to bud Peach on contract. Can commence
shipping October 1st., or earlier. Send us your Want List.

FAIRFIELD NURSERIES FRUIT AND SEED FARMS

OFFER FOR SPRING, 1910—Grape Vines,
one and two years old, varieties largely Moore's
Early, Concord and Niagara. Also Scarlet or
Crimson Clover Seed and Cow Peas. Free from
weed seeds, recleaned and guaranteed first class.

Corros., fence Solie

Price List Upon Request

CHARLES M. PETERS

P. O. Address, SALISBURY,

Wicomico Co., MD.

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Long Distance Phone and Telegraph, Salisbury, Md.



Part of a Block of California Privet, Growing at Harrison's Nurseries

Let Us Quote on California Privet

-By the Dozen or by the Mile

California Privet is the "coming" hedge plant—your customers are learning that every day. They are being influenced in many ways—by our extensive retail advertising, by editorial comment in their favorite publications, and by observation—for good California Privet is mighty satisfactory stuff.

The illustration above gives a little idea of the way we grow it down here on the "Peninsula." This photograph was taken last summer and shows the splendid luxuriant growth that Privet makes in our soil and under our methods of cultivation.

We work the ground on an average of once a week throughout the season, and are rewarded by a stock of Privet with quantities of fine, thrifty roots. Proper fertilization, also, gives us a fine stand of foliage—a feature much admired by our visitors throughout the summer.

Our two and three year sizes were cut back to the ground last winter, and as a result have de-

SOME OF OUR SPECIALTIES

THIS MONTH:

GRAPE
CHERRY
PEAR-KIEFFER
PEACH
APPLE
PLUM
ASPARAGUS

veloped a dense, bushy growth—each plant having from 5 to 20 branches.

We lift our Privet with our patent digger which prevents damage to the roots, and pack carefully for shipment, so they carry in perfect condition. It stands out during the winter in perfect condition here and will be fresh dug when ordered.

California Privet is always an ideal hedge plant, but the plants which we are offering are the finest to be had anywhere.

Let us name you prices on this splendid stock NOW—we'll be glad to supply your wants, whether you want a dozen plants, or a mile, or five miles. We have the stock, you have the demand—supply it with Harrison's Privet, and everybody will be satisfied—you, your customers and ourselves.

Get hold of your pen right now and forward your order or your request for prices. But before you sign your name, look down this Surplus List—some things there you'll want for your customers, too—

LIST OF SURPLUS STOCK

ORNAMENTALS

	5 to 6ft.	4-5ft.	3-4ft.	2-3ft.	18-24in.	12-18in.
California Privet	5,000	10,000	15,000	10,000	10,000	10,000
Norway Spruce		500	500	1,000	1,000	
Colorado Blue Spruce		100	500	100	1,000	
American Arbor Vitae	100	100	200	200	200	
Berberis Thunbergii				1,000	5,000	

	8-10 ft.	6-8 ft.	5-6 ft.
Norway Maple	1,000	5,000	5,000
Silver Maple	3,000	5,000	5,000
Carolina Poplar	1,000	2,000	2,000
American Elm	500	500	500
Russian Mulberry	1,000	1,000	1,000
Catalpa		1,000	1,000
American Black Ash	1,000	1,000	1,000
Box Elder	1,000	1,000	1,000

STRAWBERRY PLANTS

125,000 Aroma.
75,000 Bismarck.
150,000 Bubach.
40,000 Crimson Cluster.
70,000 Crescent.
14,000 Ekey.
95,000 Excelsior.
70,000 Early Hathaway.

2,100,000 Gandy.
125,000 Glen Mary.
550,000 Haverland.
300,000 Klondike.
140,000 Lady Thompson.
185,000 Millionaire.
140,000 Marshall.
150,000 Nick Ohmer.

125,000 Oak's Early.
50,000 Parson's Beauty.
110,000 Senator Dunlap.
375,000 Sharpless.
200,000 Star.
300,000 Superior.
100,000 Tennessee.

Harrison's Nurseries
J.G. HARRISON & SONS PROPRIETORS
BERLIN MARYLAND

Designed and Written by The McFarland Publicity Service, Harrisburg, Pa.